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FERRANTI

ICL to allow 2900s to run VME and DME simultaneously

USERS of ICL 2900 systems could make considerable hardware savings following the introduction of "time slicing" firmware currently under development by ICL that will enable either of the VME operating systems to run simultaneously with DME on the same machine. The facility is expected to be introduced next year.

In order to run a VME and a George operating system side by side on the same machine, it would be necessary to have both the 2900 and the 1800 instruction sets resident simultaneously. Main store would be unlikely to be shared between the two operating systems, but most of the peripherals could be shared.

systems use the same 370 instruction set.

Meanwhile ICL now appears to be getting its VME/K act together after several years of troubled development. The major rewrite, KSV 16, sometimes known as "Son of K" is now on controlled release and the next version, KSV 17, is due for controlled release in June and general release by the end of the year. KSV 17 will offer "advances in data management and

teleprocessing" in addition to support for IDMS and TPMS.

Some VME/K users believe that KSV 17 will be the first version of K to be pushed heavily by ICL and that the next version, KSV 18, will offer better communications facilities than VME/B.

In 1976 ICL introduced the emulation KMEP to ease conversion to VME/K.

Easy-to-use software on rivals to IBM's System 8

From front page

TALKS between IBM and the Justice Department on an out-of-court settlement of the US government's anti-trust suit against the company have stalled, suggesting that the predicted settlement by June in the 10-year-old suit is now unlikely.

The Justice Department has stated publicly that only divestiture — a break-up of the company — would satisfy the government and IBM says this is unacceptable.

If ICL can make such a system work efficiently it would represent a major advance in computer design, because it would provide ICL users with similar facilities to those offered by IBM's VM/370 operating system, but under much more difficult circumstances.

Under VM/370, two or more IBM operating systems can run side by side on the same machine, but all the operating

systems use the same 370 instruction set.

operating system are support for the ESCRT applications development language previously unique to the BC/7 and utilities to give the operating system an interactive, transaction processing work station orientation.

There are no new instructions in the System 80 set, unlike the

ICL ME29, which adds to the 2903 set. The new release of OS/3 features language enhancements for work station operation, a dialogue processor, 14 job partitions, a single file access method for flat, sequential and indexed sequential files and an interactive system generation facility.

With a price of under £50,000 for 256K-byte processor, floppy drive, one fixed disc, combined operator and maintenance console and workstation and a line printer, the System 80 starts rather higher than the ICL or Honeywell machine.

The Honeywell DPS 4, which extends and takes over from the

minimum configuration with one of each of the first three types of processor, 256K bytes of memory, 56-megabytes of fixed and exchangeable disc storage, console, two work stations and printer costs just under £30,000.

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UK electronic mail trials this year

ELECTRONIC mail trials in the UK are to start this year and the Post Office expects a national service to be set up at the end of next year or early in 1982. More shape was given to the Post Office's plans for electronic mail (CW, December 13, 1979) at Communications 80 in Birmingham last week, where three VDUs were used to demonstrate the user interface, which the Post Office regards as the most important part of the system.

Briefing

DPS 8 range filled out

HONEYWELL has now formally launched the three less powerful members of the DPS 8 mainframe in this country. Called the DPS 8/52, 8/44 and 8/20, they were introduced in the US last year along with the top-end 8/70 machine (CW, October 18, 1979). The 8/52 and 44 match the IBM 3031 and 4341 in performance, respectively, while the 8/20 offers twice the power of an IBM 4331. The DPS 8 family replaces the Level 68 line.

System X data

OPERATION of the first System X exchange is now scheduled for July, six months ahead of the date announced in 1978 and two years ahead of the date planned five years ago. The exchange will be built at Baynard House in the City of London and will link 40 local exchanges to each other and to the trunk network. The first local exchange is planned for Woodbridge, Suffolk, at the end of the year, bringing short-code dialling and call diversion as the first of the range of new customer services, as well as guidance in using supplied audio synthesised voice messages.

ME29 facility

DESPITE discouraging answers from ICL whenever the company is questioned on the matter, industry sources insist that ICL is working on some kind of System 11 emulation facility on the ME29 successor to the 2903 series.

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Editor
John Kavanagh 01-261 8033
Deputy Editor
Tony Higgins 01-261 6666

Advertisement Manager
Harry Hudson 01-261 8358
01-261 8503

Copy Art Manager
Brian Curran 01-261 6597

ITC Sales Department, Piccadilly, London, W1. Tel: 01-261 8500. Telex: 201375 SPRINTS C

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PRODUCT NEWS

Matrix printer with five solenoids

A MATRIX printer using five 12 volt DC printing solenoids that are oscillated across the paper with a rail cam, has been introduced by Datac of Altrincham, Cheshire. It is called the DMI-40, and printing is done a row of dots at a time. A line of characters requires seven carriage passes for printing and two additional passes for the line space. Datac says the total cycle time per line of output is 0.5 seconds.

The position of the carriage and the firing of each solenoid is established from a slotted strip that is straddled by a photo transistor and LED. Datac claims the DMI-40 prints any size font or graphics with the user's own electronic drive circuitry.

Optional electronic drive circuitry will print 96 characters ASCII code (parallel and serial, RS 232C inputs) in a 9 x 7 matrix.

Acoustic cover for IBM 2740s and 2741s

USERS of the IBM 2740 or 2741 communications terminals can now buy an acoustic enclosure which surrounds the terminals and is said to reduce emitted noise by 80%.

Made by The Power Equipment Co, it is manufactured from metal, lined with noise-

Keeping dirt at bay

SPCS of dirt have been known to cause machine failure. To help combat this problem, Data Efficiency has produced a range of dust covers.

The covers are made from opaque vinyl with an embossed texture finish. Data Efficiency says that all the seams are machine stitched and a cut-out in the back allows for the routing of power and control cables.

They cost £9.95 each.

Data Efficiency Ltd (CW), Mead Road, Maylands Avenue, Hemel Hempstead, HP2 7LE. Tel: 0424 57137.

16-bit single board analogue interface

FROM Di-an Dot Systems are high resolution 14-bit and 16-bit single board analogue interface systems that are hardware and software compatible with the Digital Equipment PDP-11 minicomputer backplane.

These DEC standard hex-height boards feature a choice of either 14-bit or 16-bit analogue to digital conversion for applications requiring higher resolution than from standard 12-bit

output systems are available with full-expandable multiplexer inputs with eight differential channels for low level applications or 18 single ended channels for high level applications.

Both versions are available with an optional software programmable gain amplifier, which is offered in two levels of performance. The PGH option is designed for high level applications and provides digitally selected gains of one, two, four and eight.

The PGL option is utilized in low level, wide range systems and provides software programmable gains of one, 10, 100 and 500.

The boards use a fixed configuration local bus called Translate-Bus. This allows direct interchange between any Datax 11 data acquisition modules that offer a wide spectrum of performance ranges.

Di-an Data Systems Ltd (CW), Mersey House, Baitersea Road, Heaton Mersey, Stockport, SK4 3EA.

BOOKS

Wanted—a watchdog on poor DP practice

Effective Methods of EDP Quality Assurance, by William Perry. 347 pp. £18.00. Online Conference Ltd (CW), Argyle House, Joel Street, Northgate Hills HAG 1TS. Tel: 02374 26211.

This is a gigantic set of checklists on most aspects of programming and application design standards and a mechanism for producing audit reports of the effectiveness of these procedures, called QA.

As a source of ideas in the area this is excellent. Anybody charged with developing such a function in an organisation might well use this as a source of additional ideas and as a checklist to make sure no essential points have been forgotten.

Even the best of our organisations are guilty of letting daily short-term pressures push away ideals of good practice.

We need some kind of watchdog function to give us early warning of poor

practice or of failure to carry out management intentions.

It might even be used by management to get the ball rolling, or by somebody else to start a discussion with management about a more formal continuous review of organisational practices.

Even the best of our organisations

quality been increased? What does the management using the methods really think of it?

The total lack of mention of the Fagan/IBM inspection method makes the present text almost obsolete, since that QA method has already (since at least 1974) demonstrated large-scale quantitative benefits at IBM and elsewhere.

TOM GILB

Disc system for CDC kit

A DISC sub-system that is capable of handling up to 16 drives on each controller on Control Data's 3300 and 3500 systems is available from Advanced Computer Techniques.

The sub-system is connected to the host computer via CDC communications channels and interfaces with the master operating system through an ACT supplied driver.

Advanced Computer Techniques Corp (CW), 1501 Wilson Boulevard, Arlington, Virginia, 22209. Tel: (010) 703 524 8330.

IF YOUR SYSTEM BLOWS A FUSE, WE MAKE SURE YOU DON'T.

When your computer goes on the blink, it changes character completely. From being an efficient loyal worker it becomes an idle lay-about. How long can you afford to do without hours or days?

Operators of mixed systems can bypass such frustrations by using an independent computer maintenance company. It's even more helpful to use Britain's biggest, CFM. Because we can offer you more of everything.

More centres. There are twenty key regional centres covering the whole country.

More engineers. We have 200 at your beck and call.

More stock. Covering items for every name in the business. And we also take on spares investment.

A few words about the CFM engineers who service your computers.

What you may not know is that every year we send our engineers back to school for a four week update on the latest computer developments...

What's the alternative to being serviced by an independent computer maintenance company?

Call Model RS. It will send and receive ASCII code at 300, 600, 1,200 and 2,400 baud with an alphanumeric display on eight 16-segment LEDs of the last 30 characters received.

Housed in a 150 x 80 x 35mm case, the terminal has 40 positive response keys, allowing 128 ASCII codes to be keyed in and

transmitted as 8-bit words with selectable parities and start and stop bits, says GR Electronics.

It is available in 20 milliamp or RS 232C level versions with alternative 25-way "D" type 7-pin connectors. GR Electronics adds that it could be used as a low-cost alternative to traditional terminal equipment and to replace purpose-built keyboard equipment in system control applications.

GR Electronics Ltd (CW), Fairfax House, Church Road, Newport, NP5 7EJ. Tel: 0833 214147.

Called Model RS, it will send and receive ASCII code at 300, 600, 1,200 and 2,400 baud with an alphanumeric display on eight 16-segment LEDs of the last 30 characters received.

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Appointments

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Appointments

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Why Knight for Operators?

- * Knight is part of BOC's Computer Services Division — large, stable and international.
- * We respond at once to requests for staff from companies throughout the UK and Europe.
- * We're highly experienced — with over 7,000 contracts completed successfully for more than 1,000 top European companies.
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If you have a minimum of 2½ years' operating experience, Jane Asbury or Sam Poll can give you immediate up-to-date list of UK and overseas contracts.

OPERATOR

An opportunity exists on an IBM 370 installation. Preferably suit operator with approx. 2 years' OSVS or POWER experience. 2 shift system. SALARY: £8,000 neg.

SHIFT CO-ORDINATOR

EC2 Our client installing an ICL 2968 and currently require a senior operator with 2 years' VME/B. D.A.Y.S. only! Excellent company benefits. SALARY: £8,000 p.a. neg.

OPERATORS

MIDX Immediate requirements for GII + Operator to work on a large ICL 1900 site. 3 shifts. Good company perks. SALARY: £8,000 p.a. neg.

JUNIOR OPERATOR

EC2 Company in the City require operator with Burroughs mainframe experience for their dual 84700 system. Good company perks. SALARY: £5,000 p.a. neg.

Rachel Martin and June Mogg are here to give advice and keep you in touch with a variety of permanent opportunities.

Contracts for Analysts & Programmers

ISM PL/1 with CICS. Team Leader for new on-line development.

HANTS

IBM OS COBOL with CICS/DL1 Programmers for long-term project with attractive package.

YORKSHIRE

IBM 3031 Systems Analyst for Insurance application.

DORSET

IBM 370 PL/1 Analyst Programmer for long project.

SAUDI ARABIA

IBM OS PL/1 + IMS for a new development project to start in June.

SOUTH COAST

IBM OS COBOL revenue/budget forecasting project start A.S.A.P.

W. LONDON

ICL COBOL VME/B + IOMS Programmers and Analyst Programmers. Experience in this field is required for various interesting projects in several locations in the UK and overseas.

LONDON

ICL SVS 4/2970 COBOL conversion project. 12 months starting May, must have SCL Macro writing experience.

YORKSHIRE

HONEYWELL L86 with TPS experience for initial 3-month contract, fluent German.

MIDDLE EAST

HONEYWELL L86 IOS1 software programmer for support role — start mid-May.

EUROPE

HONEYWELL L86 TOS + IOS COBOL programmer for 12-month contract commencing May.

BUCKS

HONEYWELL L86 TOS + IOS COBOL programmer for 12-month contract commencing May.

W. GERMANY

VENTEK OATASHARE/OATASUS Programmers with 12 months' experience, various projects commencing between now and September.

LONDON

BURROUGHS 880 COBOL/CMS/NDL Programmers SUBSEX

WILTS

These represent just some of the Contract Opportunities available. If you are looking for your next contract, on one month's notice, or interested in entering the contract market for the first time, then speak to Richard Keluzynski, Daniel Fleming or Colin Cherry now.

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Please apply direct, or for a application form leave your name and address with our answer service.

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LONDON CONSULTANCY

TEAM LEADERS, SENIOR PROGRAMMERS, PROGRAMMERS £7,000-£10,000 +

DEC 11/44's and VAX INTEL 8086's PASCAL, CORAL, MASCOT, RSX11M, VMS

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TELEPHONE: 01-353 7141 (24 HOURS)

You'll be working at the sharp end of one of the most complex military systems ever conceived and it goes without saying that the experience you will gain will be unrivalled in this field.

For a confidential discussion on the unique nature of this challenge and how it can fit in with your career plans, contact MARK IRENS now quoting reference CW/1704/1.

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CONSULTANTS MESSAGE SWITCHING

LONDON £10,000 +

If you have a technical background in at least two of the following areas and want to build on this experience to enter top-level consultancy then this opportunity could be of interest:

- * Message switching applications.
- * PDP II computers, preferably with RSX11M.
- * Turnkey Systems.
- * Data Communications.
- * Sales Support.

We are looking for more than just technical competence — we expect you to have the personality and presence necessary for negotiating with clients at a senior level and the skills necessary to write detailed proposals to meet the clients' requirements and to communicate these requirements to project teams.

You'll join a leading U.K. systems house which has developed a sophisticated message switching system which can be tailored to meet a client's individual requirements. Applications range from the automation of telegraph centres and interfacing with the international telex network to providing access to a mainframe computer from any terminal in a private communications network.

Contact MARK IRENS quoting CW/1704/2.

WORD PROCESSING
FACSIMILE

Our clients have over the last three years successfully launched a number of new products in telecommunications, facsimile and word processing fields.

They have particularly retained us to find:

TERRITORY MANAGERS

EARNINGS C. £15,000 + CAR

For these posts they are looking for dynamic and successful office systems sales executives who are urgently seeking to move into management. An excellent basic salary with high guarantees will be paid which together with realistic targets, should give you little difficulty in earning in excess of the remuneration shown above. Already a substantial market has been identified and a number of major leads established. You are expected to be ambitious and self-motivating and once you have established the business, it will be necessary for you to set up and subsequently manage your own sales force.

The Company has heavily committed itself to the word processing business — it's already highly established telecommunications support function will be invaluable in the marketing of this communicating W.P. range of equipment.

Interested applicants should contact ROY HIGHFIELD, quoting reference CW/1704/3 so that interviews can be arranged.

Telephone BOB BOWER for further information quoting reference CW/1704/4.

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INSURANCE INDUSTRY
DISTRIBUTED DATA PROCESSING

MANCHESTER

QUOTA EARNINGS £18,500
PER ANNUM

COMPANY CAR, ETC.

HIGH BASIC AND GUARANTEE

Our Clients are one of the world's leading manufacturer's of computers and peripheral equipment, specialising in distributed data processing techniques.

We are retained to find suitable person to market our Client's solutions to the data processing problems of the insurance industry.

Applications are invited from marketing orientated executives within either the Computer or the Insurance Industry. The vital pre-requisite is an intimate knowledge of the administrative and data processing requirements of the Insurance Industry.

The successful candidate will benefit from both excellent financial remuneration and career progression.

Telephone BOB BOWER for further information quoting reference CW/1704/4.

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STAFFS, WEST COUNTRY, WOLVERHAMPTON, BUCKS, HAMPSHIRE

£7,000 + Car Several years Mini experience — commercial applications	PROJECT LEADERS	WGLVERHAMPTON	W230
£8,000 To work on packaged commercial systems — mini-language	PROGRAMMER	WGLVERHAMPTON	W231
£8,000 + Car Must have Univac 90/30 Cobol and preferably Assembler. Removal expenses £8,000	SENIOR PROGRAMMER	BUCKS	W232
Prefably Univac Cobol Inv On-Line installation.	PROGRAMMER	BUCKS	W233
C. £7,000 2/3 years in manufacturing/commercial systems. Removal package.	ANALYSTS	WESTON-S-M	W235
C. £6,000 Experienced Cobol Programmer. ISM, CICS / Assembler advantage. Removal package.	PROGRAMMERS	WESTON-S-M	W236
C. £7,000 Proven Team Leader. IBM Cobol and/or Assembler / CICS. Removal package.	SENIOR PROGRAMMERS	WESTON-S-M	W237
£6-7,000 Six months upwards PL1 for TP based systems. Removal package.	PROGRAMMERS	HAMPSHIRE	W238
£ Negotiable Two years + experience Cobol and/or Basic +.	ANALYST/PROGRAMMER	STOKE-ON-TRENT	W239
C. £6,500 Pastime system. 2900 series Cobol ground floor opportunity.	SOFTWARE PROGRAMMER	WGLVERHAMPTON	W240
To £7,000 Good knowledge of G2 + Communications some Cobol / Filenet / Plan.	SHROPSHIRE	W241	

BIRMINGHAM AND WEST MIDLANDS

To £8,000 2 years Cobol, preferably ICL. Commercial applications. Professional Bureau environment.	PROGRAMMERS	SIRMINGHAM	5/555
£ Negotiable 2 years Cobol experience, preferably ICL hardware. Commercial/Accounting applications. Database experience would be advantageous.	PROGRAMMERS	SIRMINGHAM	5/558
£ Negotiable Cobol programming experience with some Analysis. Commercial applications. Latest ICL Hardware.	ANALYSTS	BIRMINGHAM	5/557
£ Negotiable 4 years experience in Assembler, preferably some PL1, IBM, DOS/VS, Power/VS, CICS, DB2MP.	SYSTEMS PROGRAMMER	SIRMINGHAM	5/558
£8,000 + Car Programming background, some systems experience, ICL hardware, manufacturing applications.	SYSTEMS ANALYST	WEST MIDLANDS	5/559
Strong programming background in Basic, Software house. Ability to work under pressure essential.	PROGRAMMERS	BIRMINGHAM	5/580
To £6,000 Minimum 'O' level education, IBM hardware, OS/VS1, HASP. 2 years experience 3 shifts.	SENIOR OPERATOR	WEST MIDLANDS	5/581
£8,500 + Good educational background required. Cobol experience on commercial applications. Bureau environment.	PROGRAMMERS	BIRMINGHAM	5/582
To £8,000 Good educational background required. Cobol experience on commercial applications. Bureau environment.	SENIOR ANALYST	WALSALL	5/583
£ Negotiable Experience in Guiness systems analysis required. Preferably some Mini experience.	PROGRAMMERS	CITY CENTRE	5/584
A Software house / Bureau want Programmers with a minimum of 12 months Cobol experience, to work on their Mini computers. Commercial and manufacturing packages.	PROGRAMMERS	WEST MIDLANDS	5/585
C. £7,800 Good educational background is required. CICS O1 and Cobol experience would be preferred.	ANALYST PROGRAMMER	BIRMINGHAM	5/585
£8,000-£8,500 Good educational background required. Commercial applications for a Multi National Organisation.	SYSTEMS ANALYST	BIRMINGHAM	5/586
£ Negotiable Good career prospects for a VME/B specialist, to be involved in Project Leader level.	SOFTWARE SPECIALIST	BIRMINGHAM	5/587
To £7,000 2 years BASIC programming experience for a Software house installing Minis in client companies. Manufacturing applications.	PROGRAMMERS	BIRMINGHAM	5/588
£8,000 Strong financial background required. ICL hardware. Programming background would be useful.	SYSTEMS ANALYST	WALSALL	6/596

EAST MIDLANDS

£ Negotiable 2 years experience of writing programs, Program specs. System testing. IBM Cobol or PL1.	SENIOR PROGRAMMER	COVENTRY	EM741
£ Negotiable 3 years experience on IBM equipment.	ANALYST/PROGRAMMER	CGVENTRY	EM750
C. £8,800 Must have 2 years experience, RPG II Language.	PROGRAMMER/ANALYST	WARWICKSHIRE	EM748
C. £7,000 2 years experience. Commercial environment.	ANALYST/PROGRAMMER	WARWICKSHIRE	EM749
C. £5,500 2 years analysis experience. Knowledge of job control.	SYSTEMS ANALYST	LEICESTERSHIRE	EM736
To £6,000 Development of future projects using On-line equipment.	ANALYST/PROGRAMMER	NGTTINGHAMSHIRE	EM740
£ Negotiable 2 years analysis experience. Commercial environment.	SYSTEMS ANALYST	NGTTINGHAM	EM738
£ Negotiable 5 years programming experience. Commercial applications.	SENIOR PROGRAMMER	NGTTINGHAMSHIRE	EM738
£ Negotiable 3 years experience PL1, Cobol, Assembler, languages.	PROGRAMMER	NGTTINGHAMSHIRE	EM767
£8,000-£8,500 2/3 years experience using IBM Assembler language. Mainframe programming.	PROGRAMMER	GERSBYSHIRE	EM742
£ Negotiable 2 years systems programming experience. Bureau environment.	SYSTEMS PROGRAMMER	SHEFFIELD	EM743
To £7,500 5 years experience GS/VSI, supervisory experience. Bureau environment.	SHIFT LEADER	PETERSGRUGH	EM745
To £8,000 2 years analysis experience IBM. Commercial environment.	SYSTEMS ANALYST	PETERSGRUGH	EM746
To £7,000 2 years programming experience PL1, DCL, CICS. Commercial environment.	PROGRAMMER	PETERSGRUGH	EM747
C. £5,250 12/18 months Cobol, DBMS. Commercial environment.	PROGRAMMER	NGRTHAMPTONSHIRE	EM744

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Programming Team Leaders who can demonstrate leadership skills with a small team dedicated to on-line development are required by a financially orientated institution occupying a unique position in the Insurance Services sector. Familiarity with Hewlett Packard hardware and systems software is essential. Successful candidates will have extensive knowledge of the company's IMAC data base and the interactive Inquiry language QUERI. Also, a programming background in COBOL is required whilst additional knowledge of SPL and/or RPG will be reflected in the salary offered. Successful applicants will exhibit personal communication skills and have an enquiring, analytical mind.

Ref: 24/4/A

On-Line Analyst Programmers Brussels. Salary: to £16K

Our client, a highly reputable Systems Development and Product Group has its Continental Headquarters in Brussels. As a result of increased demand for both its software products and support/consultancy services, the Company is seeking Real-Time Analyst/Programmers with current experience of large IBM 370 or 303X systems. Applicants

Ref: 24/4/B

Software Support

Midlands & Bristol. £7K + car

One of Britain's leading retailers of Micro Based Business Systems has retained Logistix to recruit three Software Support Specialists. Our client's head office is situated in a rural area West of London and as a result of a planned expansion programme they have a requirement for three Regional Software Support Specialists for bases in the Nottingham, Birmingham and Bristol areas. Suitable applicants will be both self-motivated and ambitious whilst the ability to liaise with clients and technical experts at all levels is very important. Candidates should offer at least one year's COBOL or BASIC programming experience on any mini/micro based system in one of the following areas: Banking, Finance, Manufacturing, Distribution, Retail, Manufacturing, Construction, Engineering, Telecommunications, etc. We are looking for people with a genuine desire to work in a fast moving, dynamic environment. Our client offers an excellent and rare career opportunity. Our client will pay an above-average salary as well as providing a comprehensive range of benefits including a car. Interviews will be held within one week of the appearance of this advertisement.

Ref: 24/4/C

Financial Analysts and Designers Benelux. Salary: to £20K

A States-side based Corporation with several regional offices in Western Europe requires additional Systems Designers and Financial Analysts to join its permanent staff in either its London or Brussels offices. Successful candidates should be aged 23-35 and offer Banking (Retail or Merchant), Stock-Broking, Accountancy or Management Consultancy experience with a large-scale IBM, NCR or Burroughs user. All positions will entail a degree of travel within Continental Europe, UK and USA. It is an added advantage to speak reasonable French, German or Dutch. Interviews can be arranged in UK, Holland or Belgium.

Ref: 24/4/D

Office and Business Systems

West of London. To £10K + Bonus

A well established Mini-Computer Manufacturer is seeking Applications and Systems Programmers for its Small Business Systems Division. Systems Programmers should offer a minimum of one year's experience of either BASIC and/or Assembler language. Applications Programmers should have recent Business Applications experience on any mini/micro based system in one of the following: Stock/Inventory control, Payroll, Personnel Records, etc.

Ref: 24/4/E

Systems Analysts - Graphics

Northern Home Counties. Salary: to £10K

One of the market leaders in the manufacture and sale of graphics terminals and instrumentation devices has a requirement for Systems Analysts and Operating Systems Consultants for its Southern UK operations. Candidates should offer a minimum of two years practical experience in an area allied to the one in which our clients operate. Programming expertise should have been gained in BASIC, FORTRAN or ASSEMBLER where on-line techniques were well-established. A premium will be paid to those in

The first two Analyst Programmers in Surrey...?

...to be responsible for building a new
Data Processing Department.

They must be enthusiastic, positive and ambitious, because their success will be critical to the growth and efficiency of our UK operation.

Reporting to the Systems Manager you will work closely with user management in developing a broad range of business systems. Particularly, investigation is needed in the Sales, Marketing and Production spheres. Behind you will be a powerful mainframe utilising Database and On-Line facilities, whilst we envisage acquiring mini computers for data collection/transmission. Your background should include formal analysis and Cobol programming.

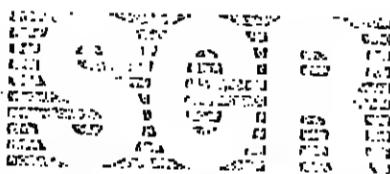
Of course this represents, enormous scope for career development and an opportunity to truly "make your mark" in a closely-knit organisation. The responsibilities are high - but then the rewards are attractive:-

Commencing package between £8,000 and £9,750.

Who are we? Quite simply the pioneers and authority in skin care products and beauty treatments. A name on the lips of beautiful women the world over. Our whole future looks challenging and exciting, with a stunning, innovative product range supported by dynamic advertising.

... and now our own UK Data-Processing team - starting with you!

Contact our Advising Consultant Dave Scarlett on 01-935 0671 or evenings and weekends (before 9.00pm) on 01-540 3549.



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- ★ IMS Programmers & Analyst Programmers with PL1 & TSO exp.
- ★ CICS Systems Programmers
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Computer People South

VLI GROUP

**Contract assignments in the Southern Home
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- ★ Analysts with DL1 Database experience
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- ★ PDP11 RSTS / E DIBOL Programmers
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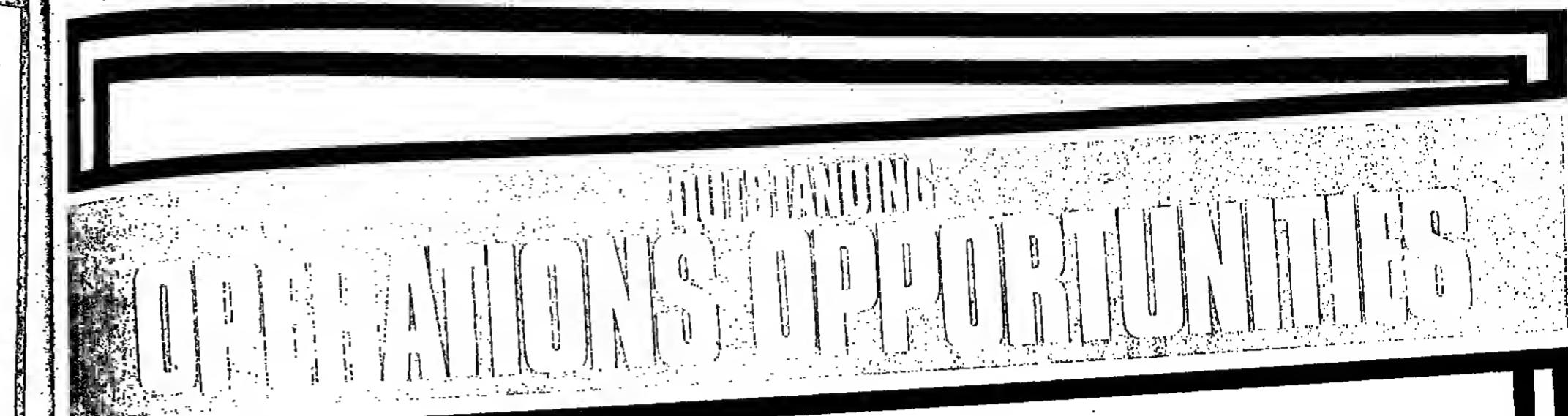
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A major organisation in Glasgow, conveniently situated for all routes North/South and East/West including motorways and Clyde Tunnel, is setting up a new IBM installation and has a number of vacancies within the operations area.

A senior operations professional is required to assume responsibility for all day to day aspects of running the installation. Reporting to the Operations Manager responsibilities include:-

- ★ data preparation
- ★ data control
- ★ computer room
- ★ communications network

Candidates must have about 5 years operations experience in a medium to large IBM installation under OS/VS1. Previous experience in a communications environment is also important. (Ref. CW/8036)

SHIFT LEADERS

£5500 - £7000

(plus shift allowance)

These positions will appeal to ambitious operators with between 2 and 3 years experience, IBM environment (OS/VS1) essential together with a good knowledge of JCL and Utilities. (Ref. CW/8037)

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£5300 - £6500

This position will entail responsibility for establishing and maintaining an important communications network. Candidates should ideally be ex-Shift Leaders or Senior Operators from a network environment. (Ref. CW/8039)

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£5500 - £7000

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All these positions offer excellent career prospects in both the short and long term. Specific remuneration packages will be negotiated in line with the indicators shown and in some cases assistance will be provided with relocation expenses.

Interested candidates should contact Ivor Norton in the strictest confidence, through their most convenient office, quoting the appropriate reference. All applications will be acknowledged.

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The above contracts are immediate and on-going, so if you are considering taking a contract assignment in the near future, please phone now for further information.

Scotland:

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We have between 15 and 20 opportunities for new contracts to work in the following areas:-

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As well as paying high rates on a weekly basis, we can offer payment during sickness, advice on finance and taxation, and assistance with mortgages.

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This expansion has been the result of continuous successful research and development. Together with the finest support and range of equipment and applications, built up over three decades.

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If you are looking to establish and build your career within a successful and fast growing environment, then our client would want to meet you.

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JBA

Mini-Computer Development Software & Applications

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£5,000 - £11,000

Our client is a very well established American computer manufacturer, providing modern systems to a variety of business, engineering and scientific organisations internationally. Near Windsor, the Company has its U.K. and European headquarters where development of systems software and applications packages for world-wide use is undertaken.

The successful release recently of new hardware and software and the increasing demand for the Company's products necessitate further expansion of the dedicated development teams in several technical areas. The Company's success and its salary policy ensure that the work is always challenging and salaries are always among the best offered. If you have what it takes, salary is unlikely to be an obstacle.

Software Designers

The development teams are involved in the design of transaction processing and data management systems, compilers, and related packages, for an increasing range of business orientated machines. Development of word processing and business automation products is about to commence.

Applicants must have at least two years experience (although Graduates will be seriously considered) of similar work using advanced techniques. Most systems are written in Assembler and candidates must have considerable skill in this language.

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Contact: Mike Creamer

JAMES BAKER ASSOCIATES, International Personnel Consultants,
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Applications System Designers (COBOL)

The technical support group in this company has responsibility for functional quality assurance of system software products and ensuring trouble-free integration onto the systems. This work also encompasses in-house system development for on-line testing purposes.

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Systems Development Manager

c.£12,500 (Reviewed in July)

The biggest job of its kind in Britain.

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It's a massive responsibility which the Borough has met head-on by installing an ICL 2970 and building up a new Division of 66 people. The Borough is one of the very few organisations with the variety of work to use the 2970 to its full capability. Thus it is used for everyday tasks such as Payroll, Payments to Creditors and Rents and Rates as well as more complex tasks such as Financial Reporting and Project Monitoring.

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The reason the job is so sought-after is that the opportunity to run a department of this size and complexity is very rare. Therefore, in the H.O.C.'s absence you will be gaining experience that even the Head of many another Department will never gain.

Come in, No. 2... your time's just starting!

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Rewards that only No. 1's expect.

In addition to the excellent salary with its imminent review, approximately 6 weeks holiday, help will also be given with your relocation expenses should you decide to take advantage of the South London location to make your new home in the nearby Kent/Surrey countryside.

In the longer term, there are good prospects within the Borough.

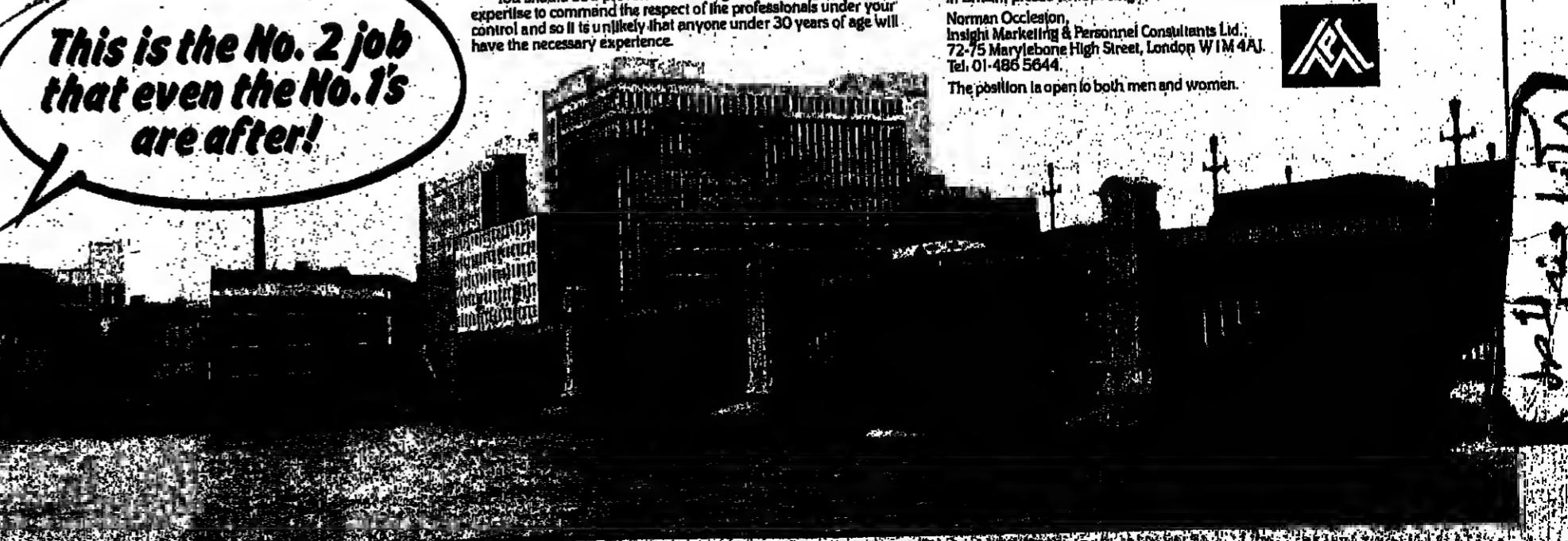
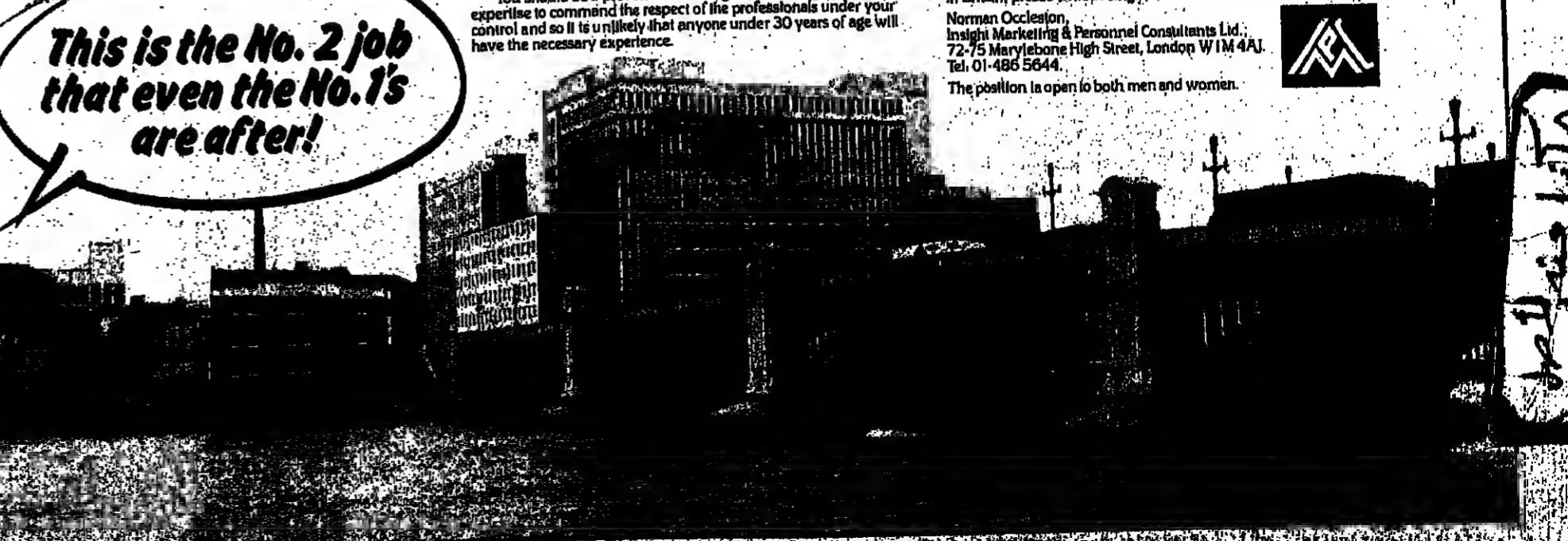
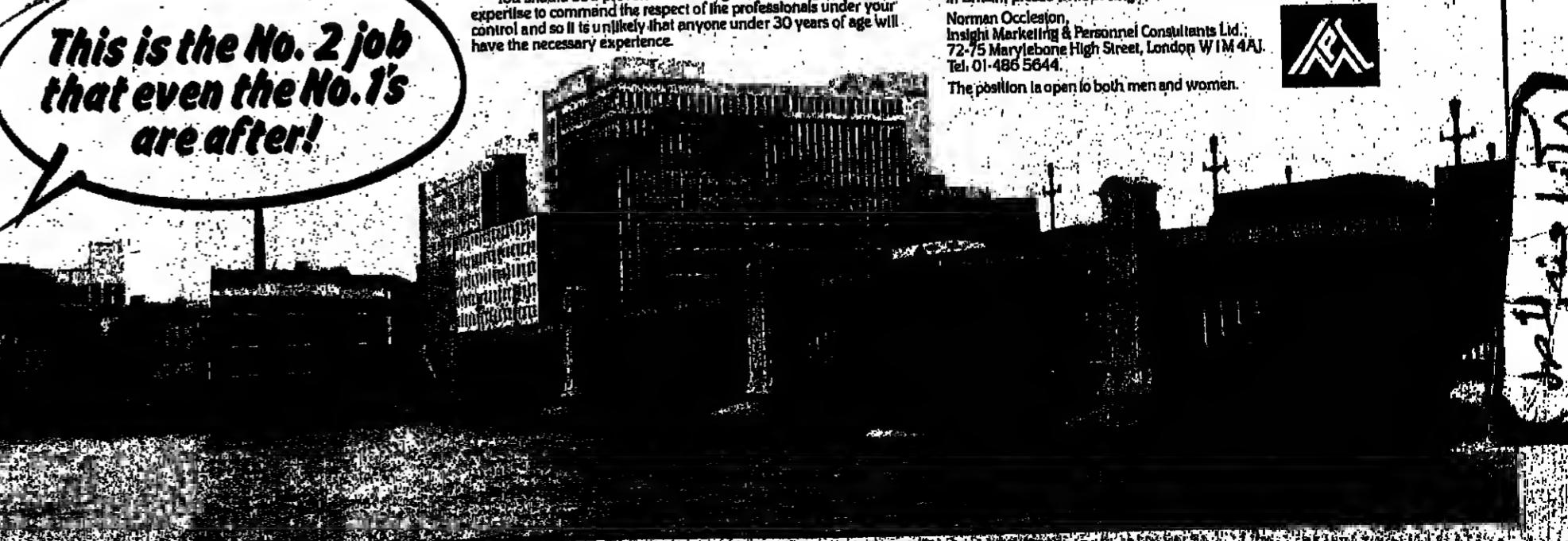
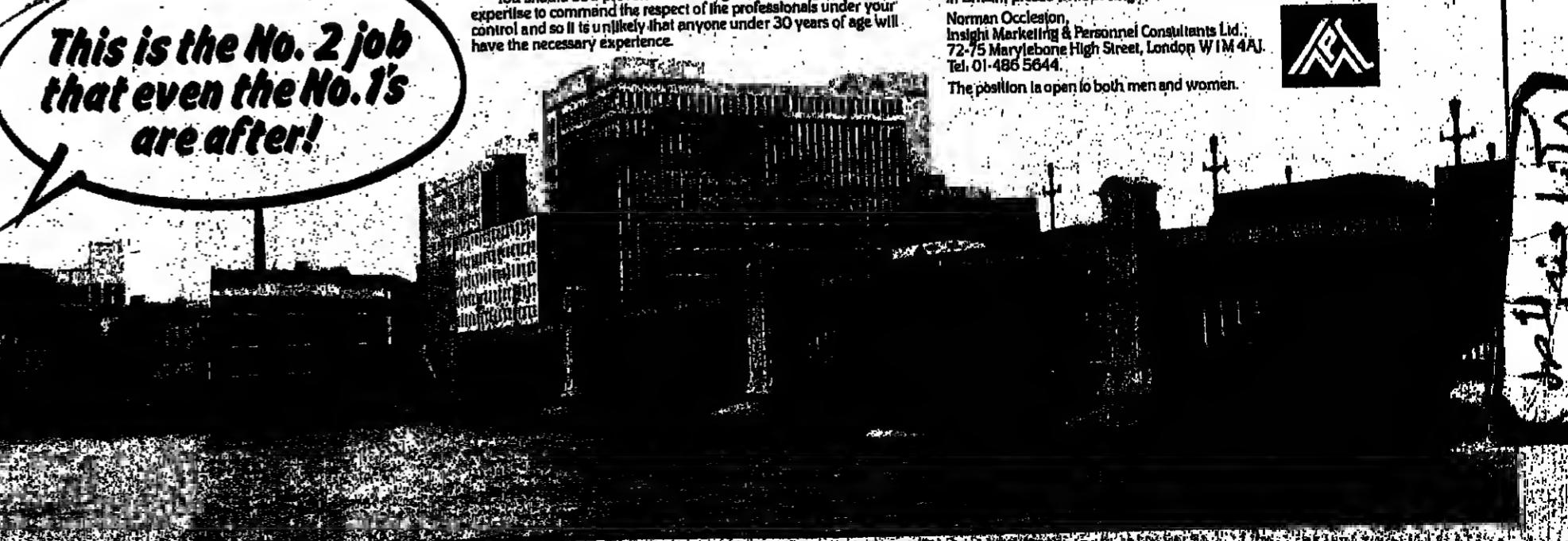
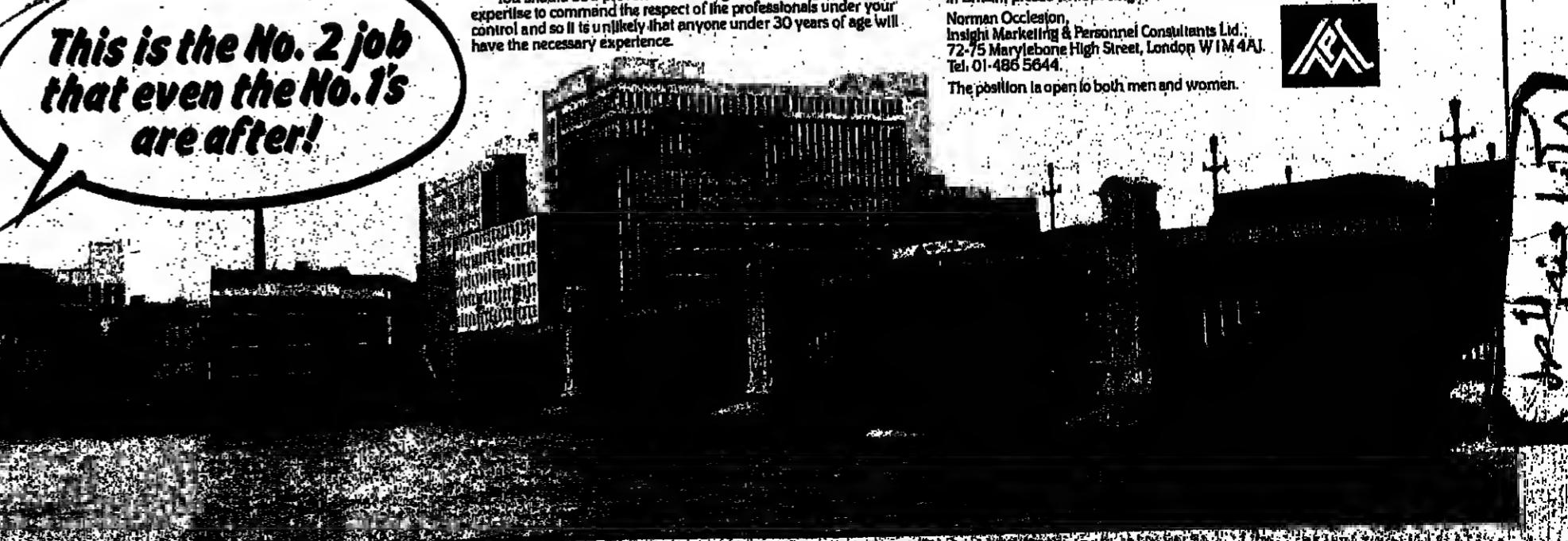
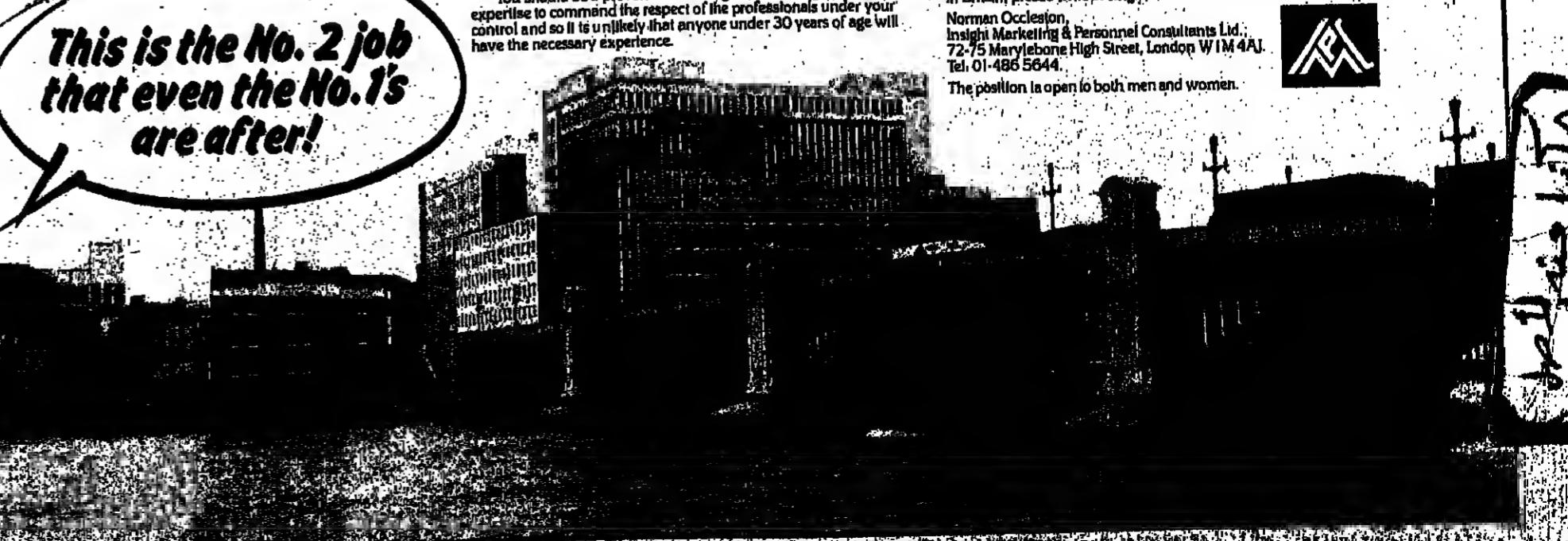
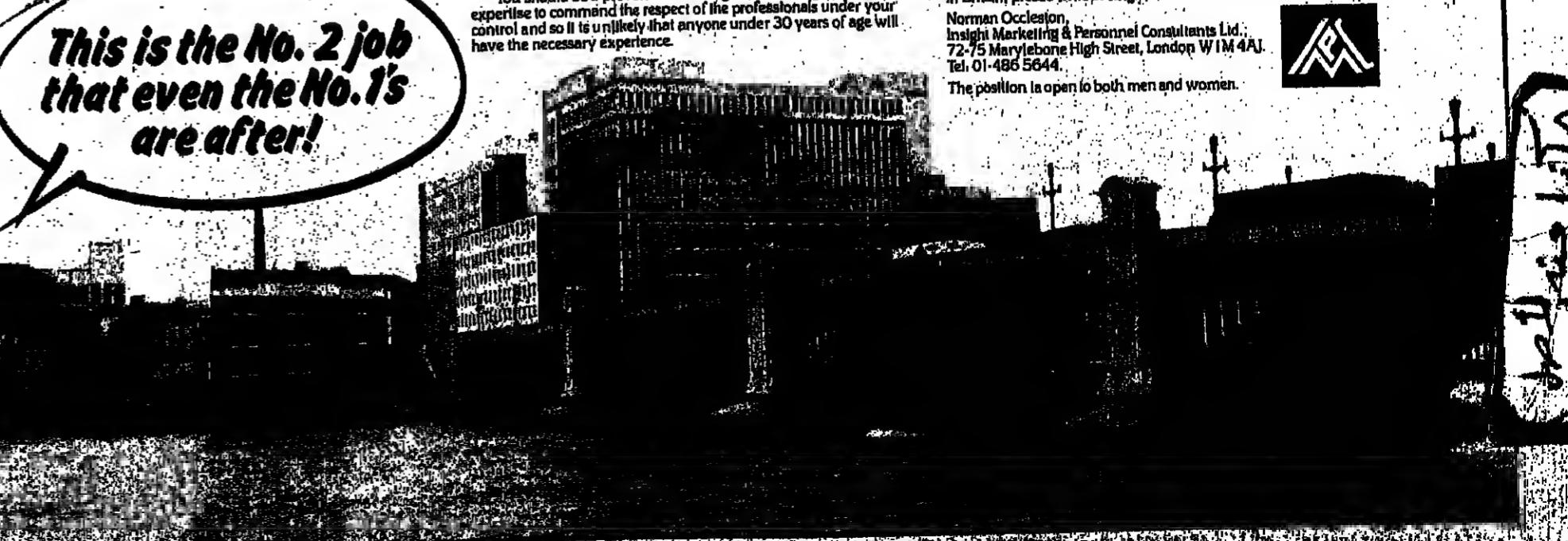
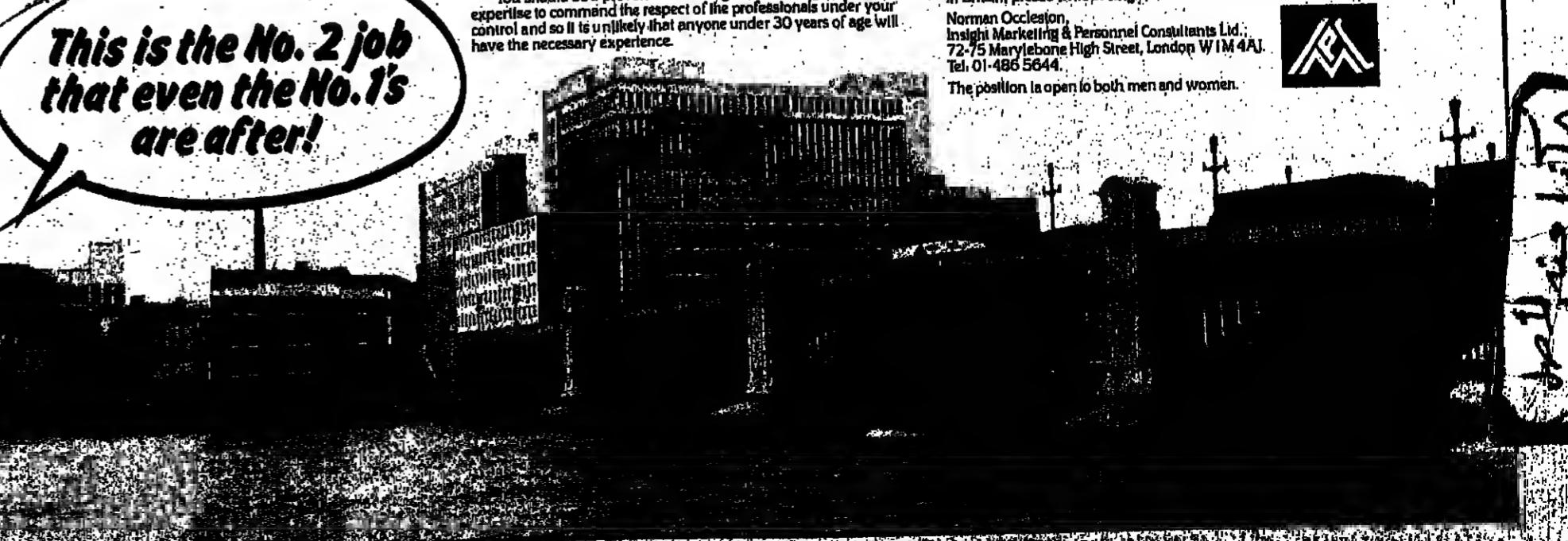
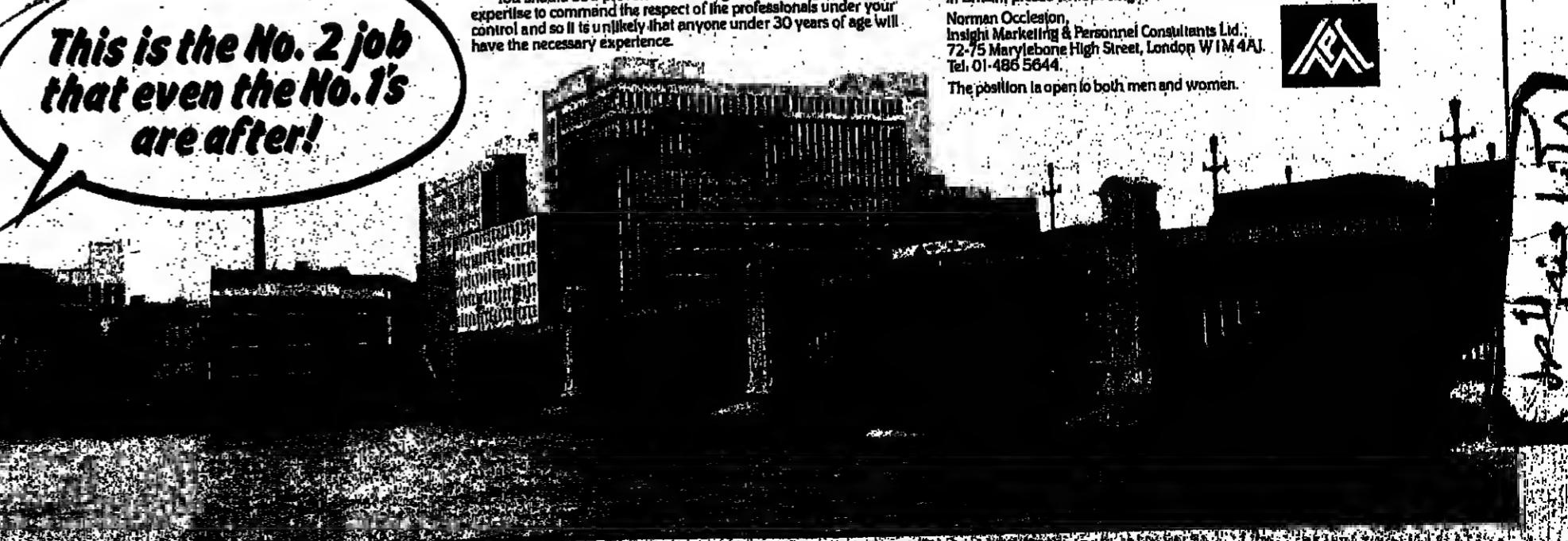
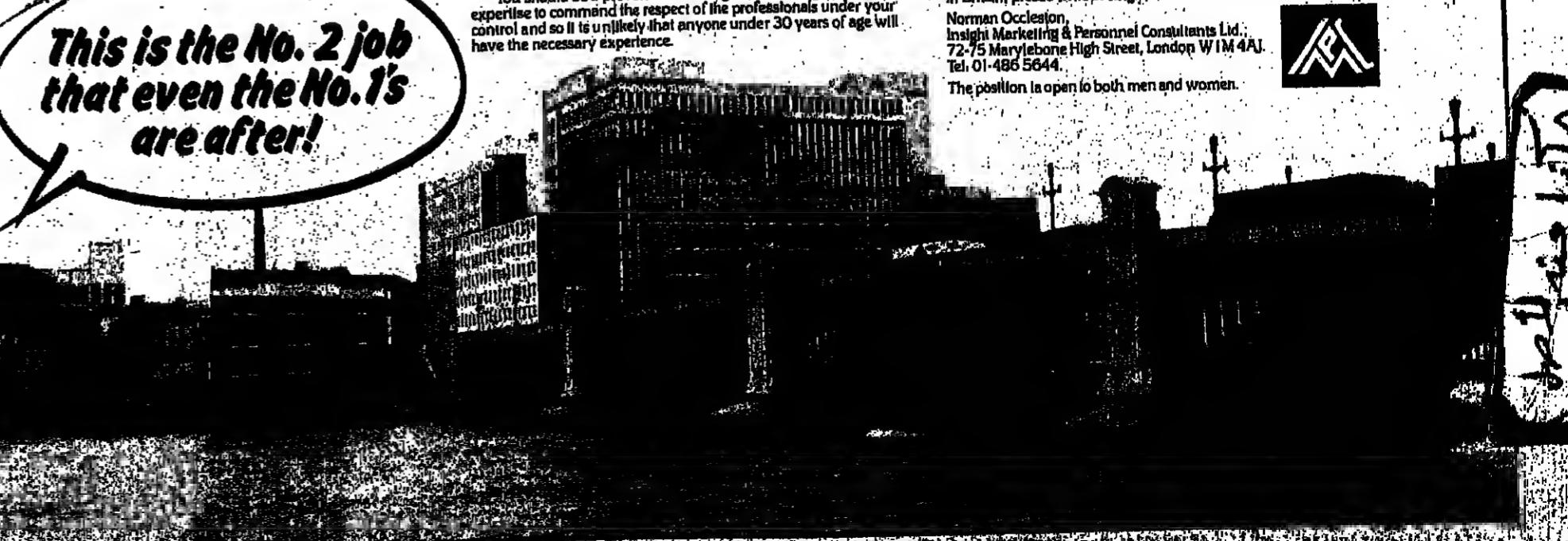
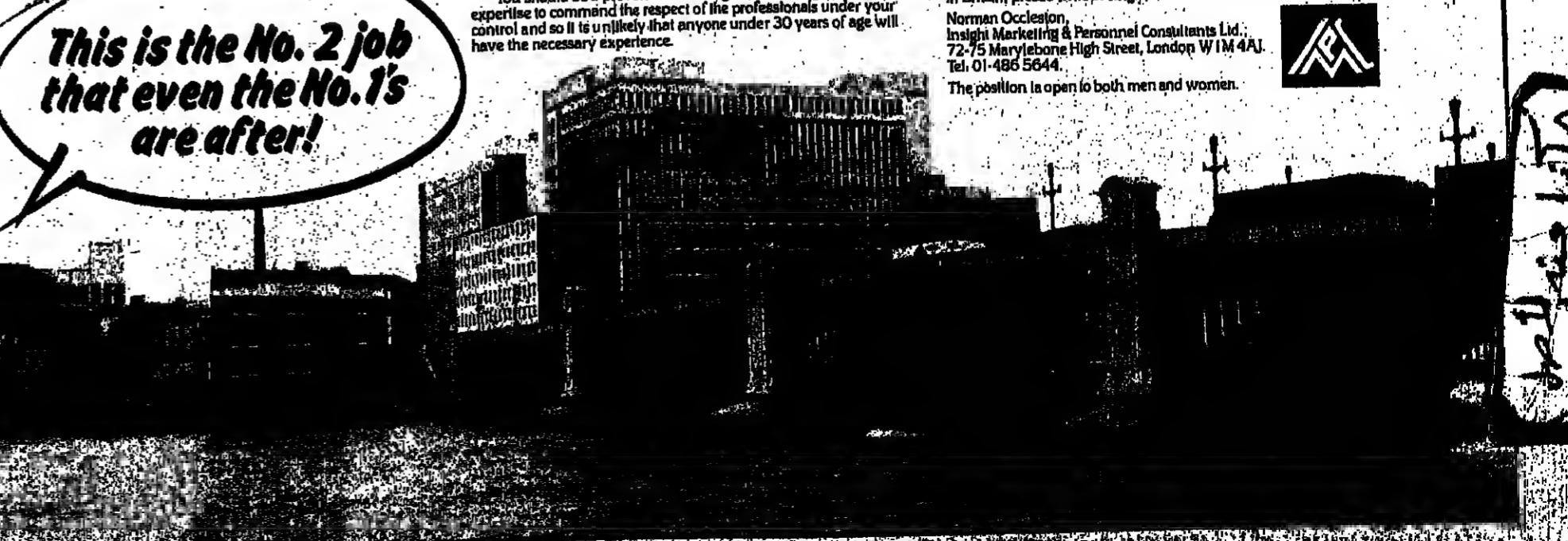
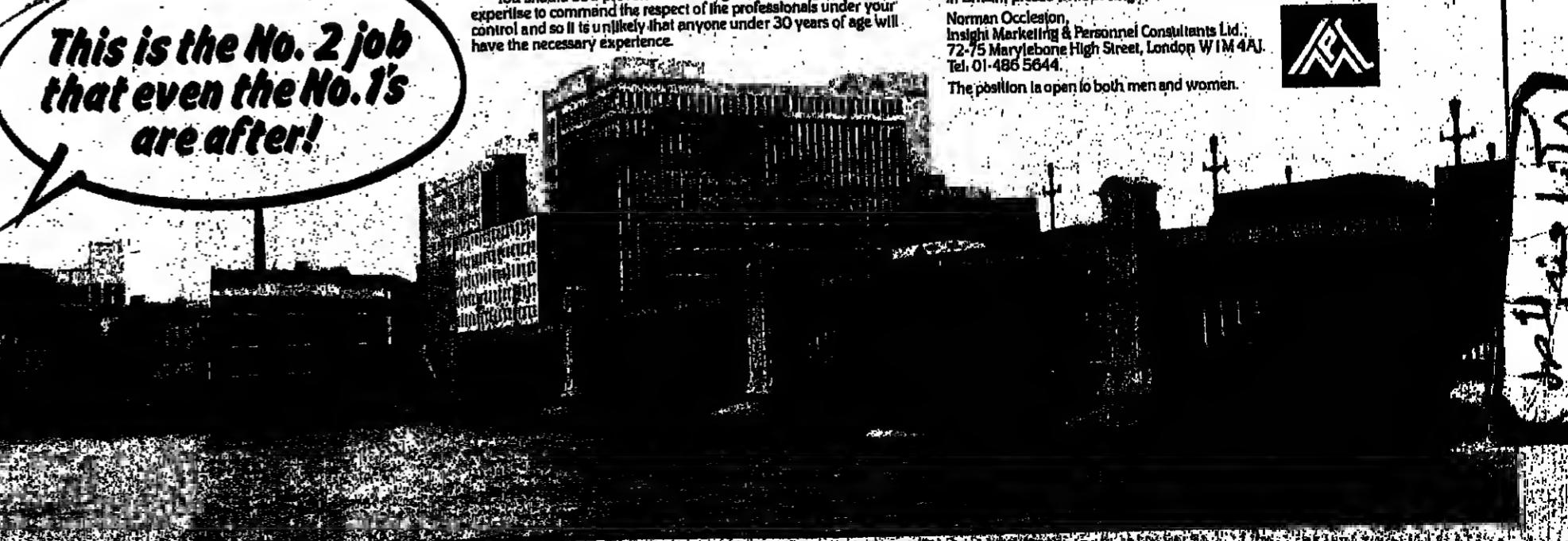
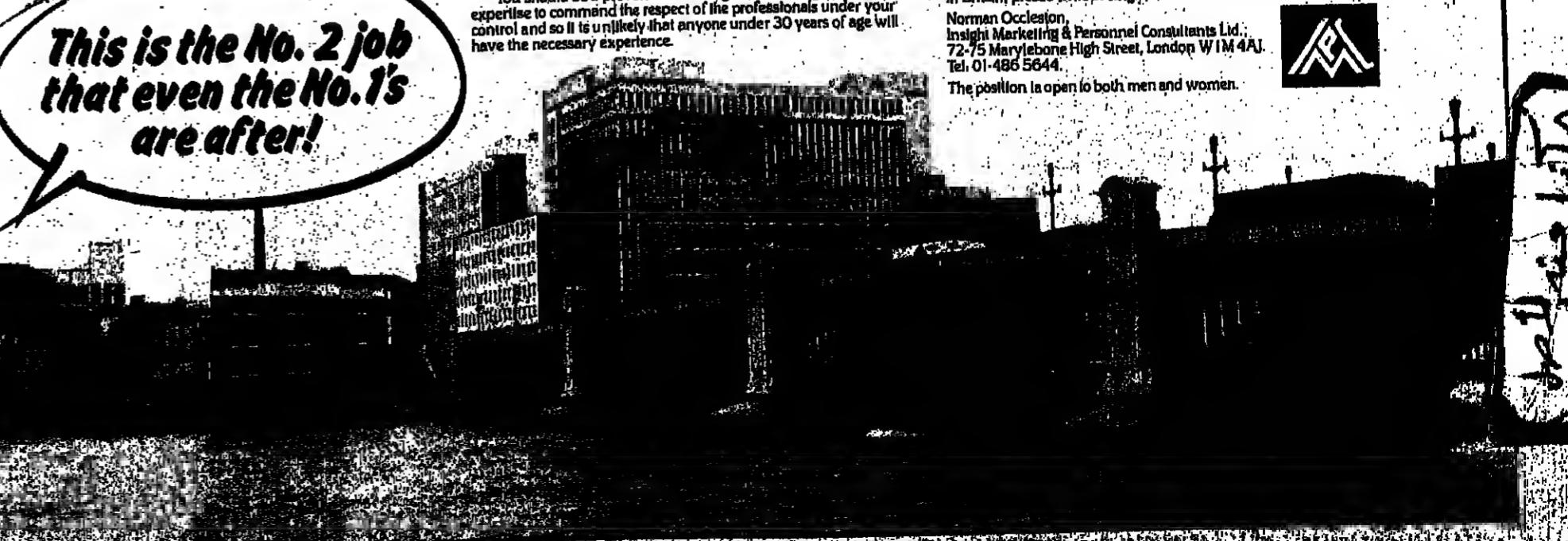
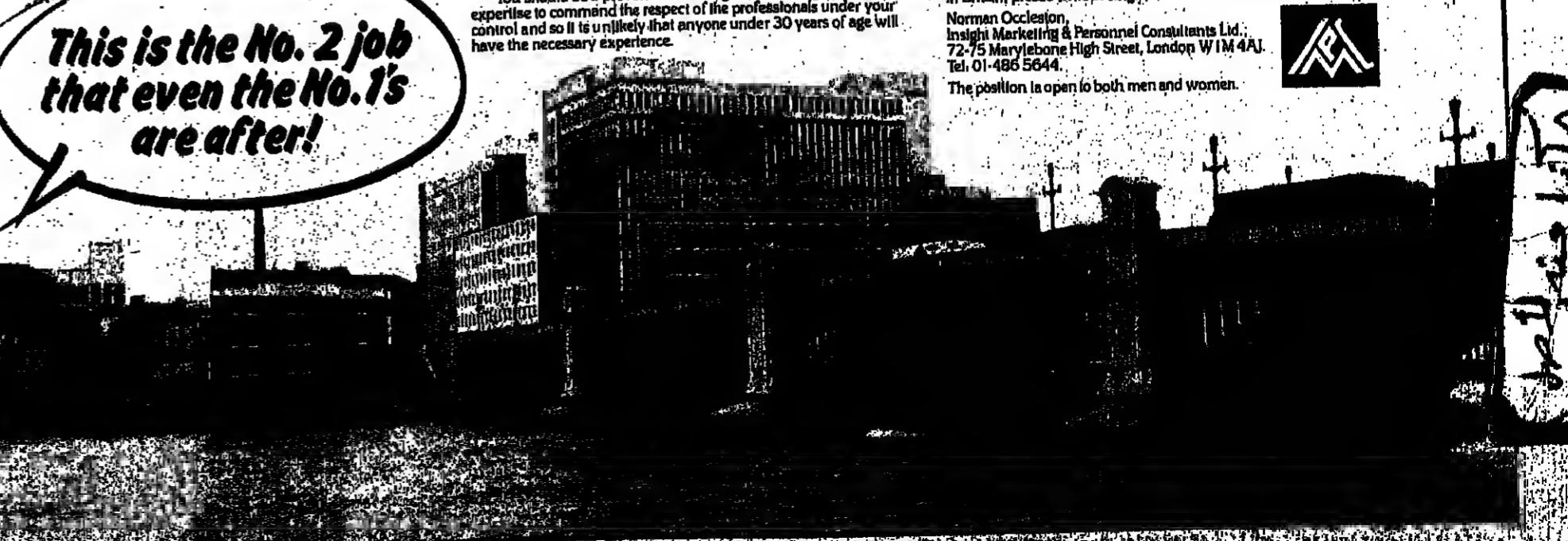
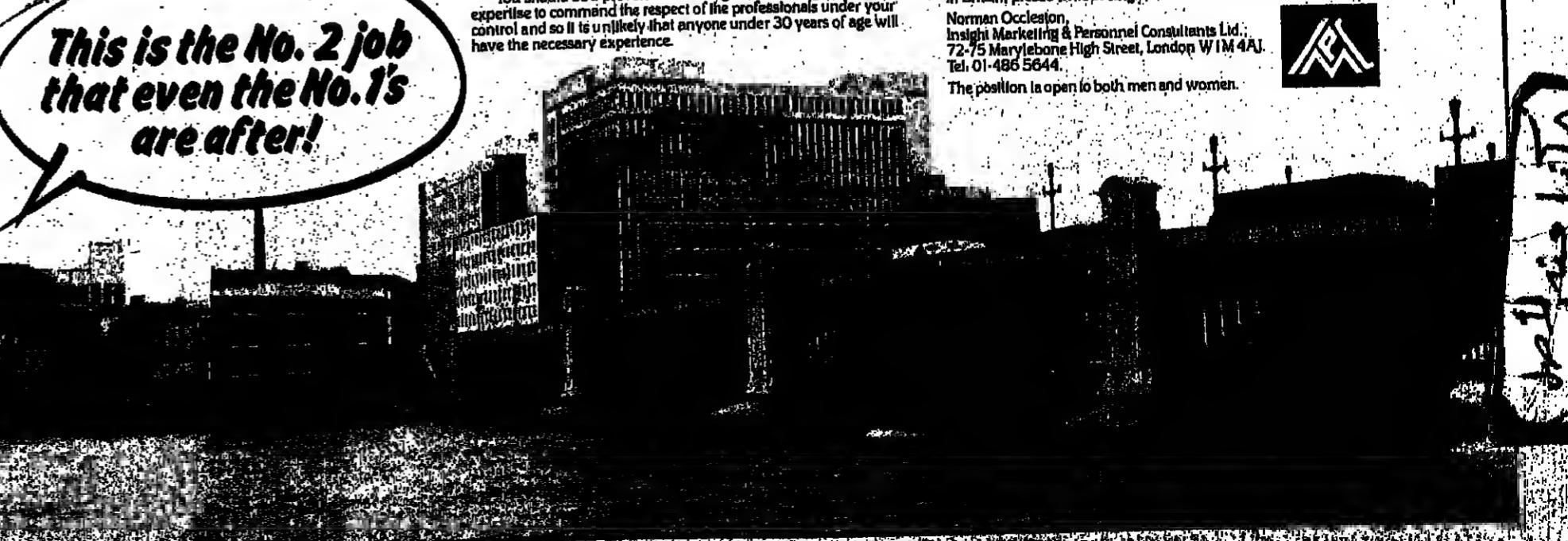
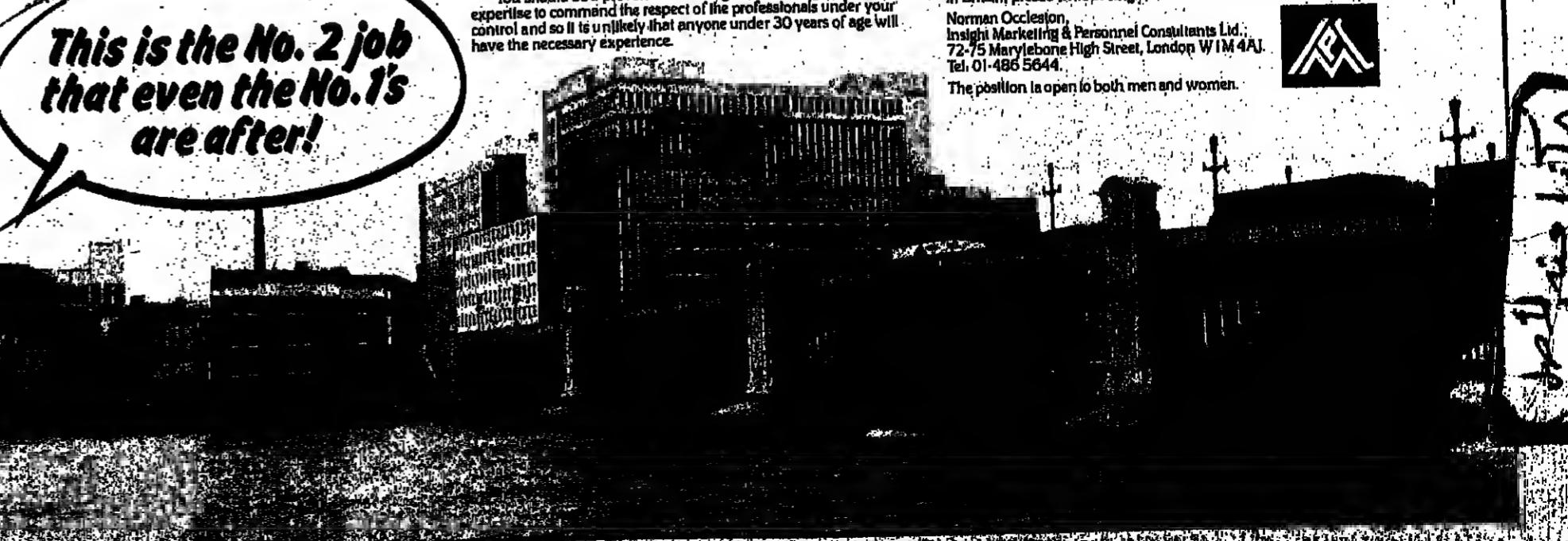
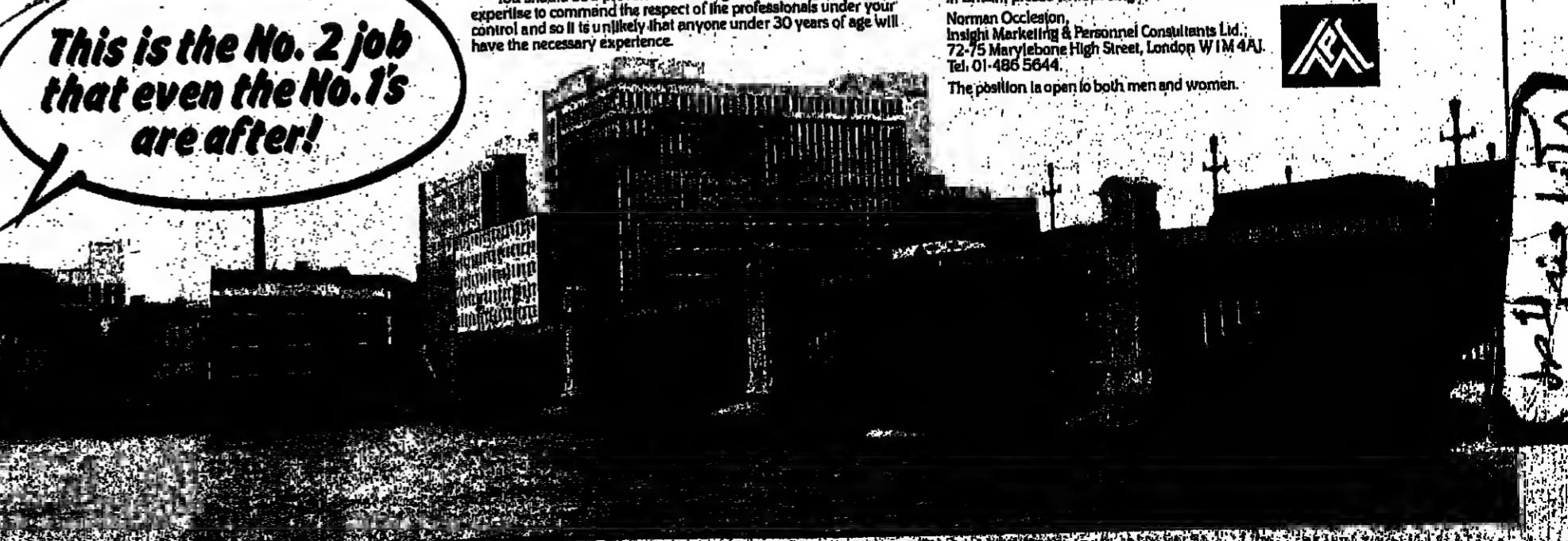
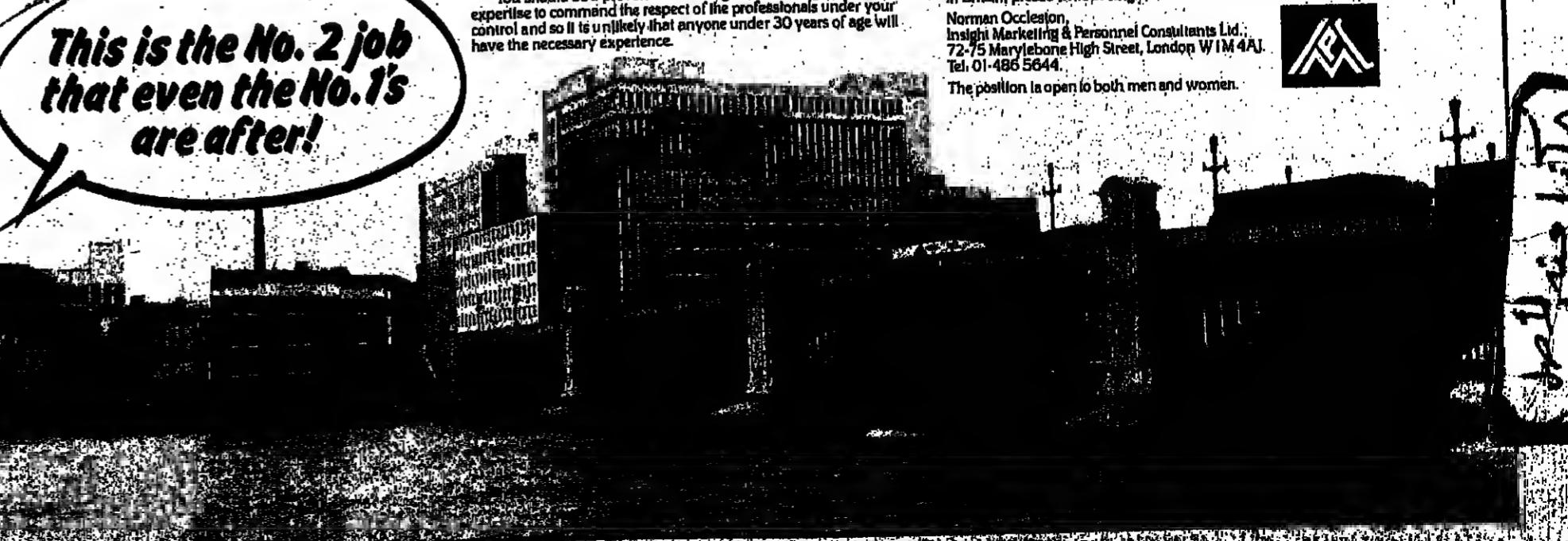
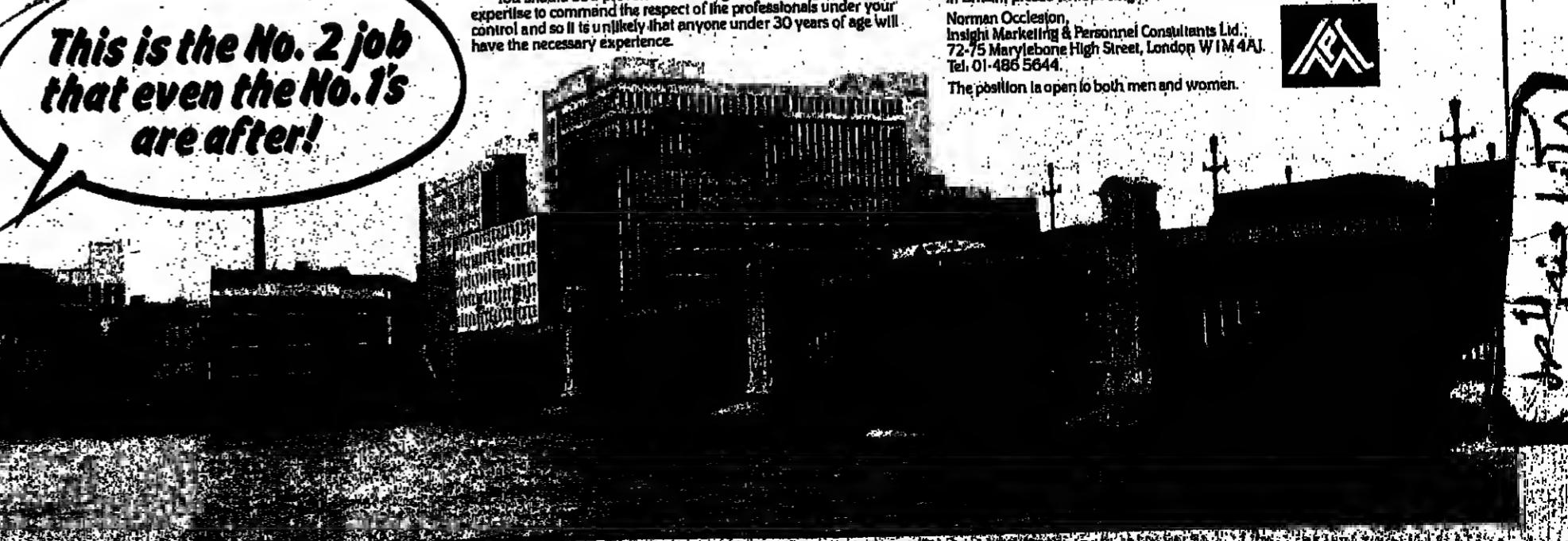
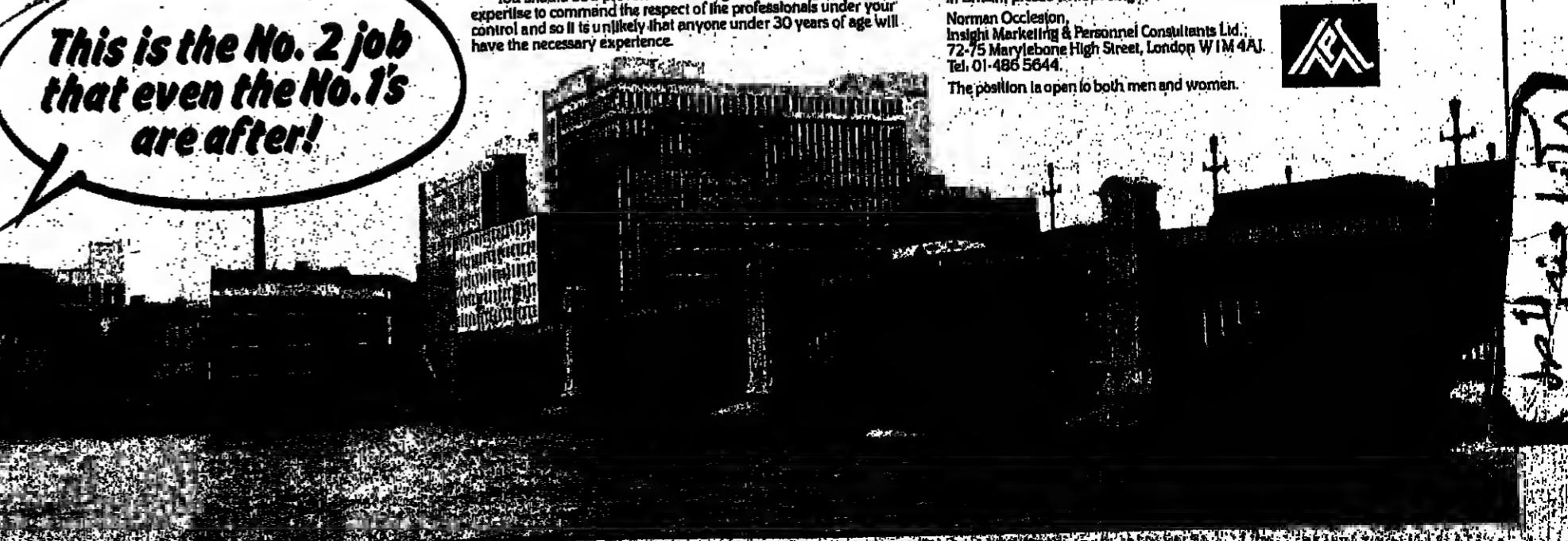
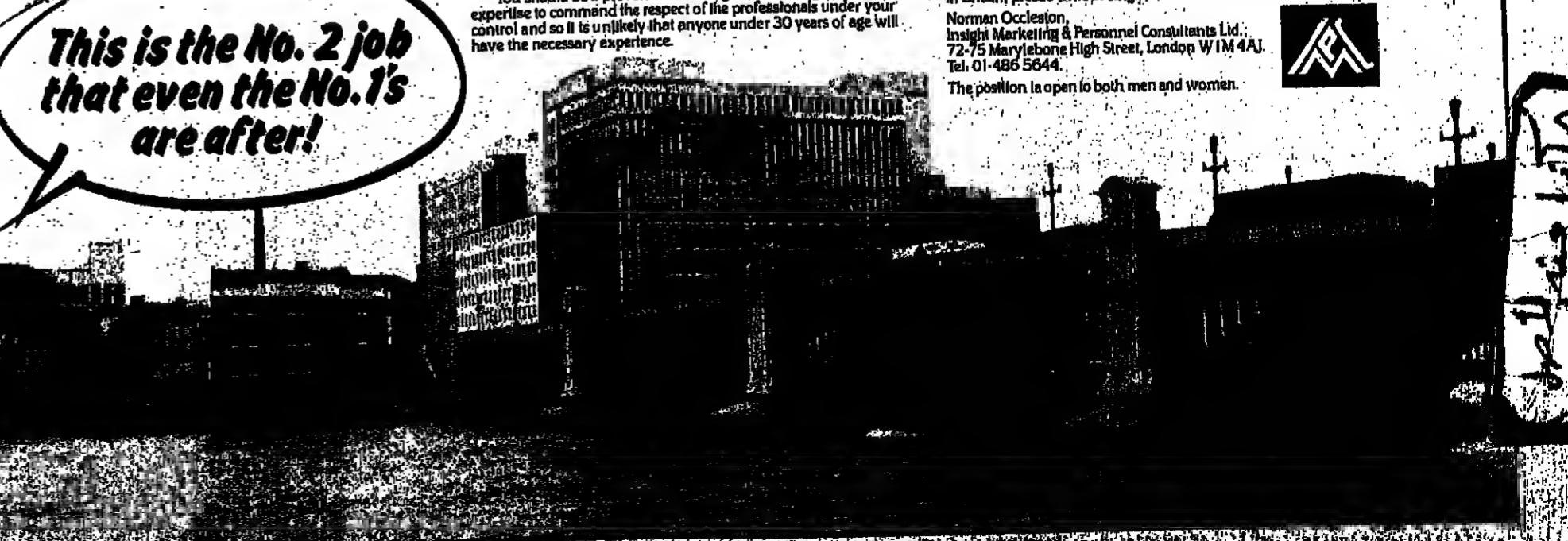
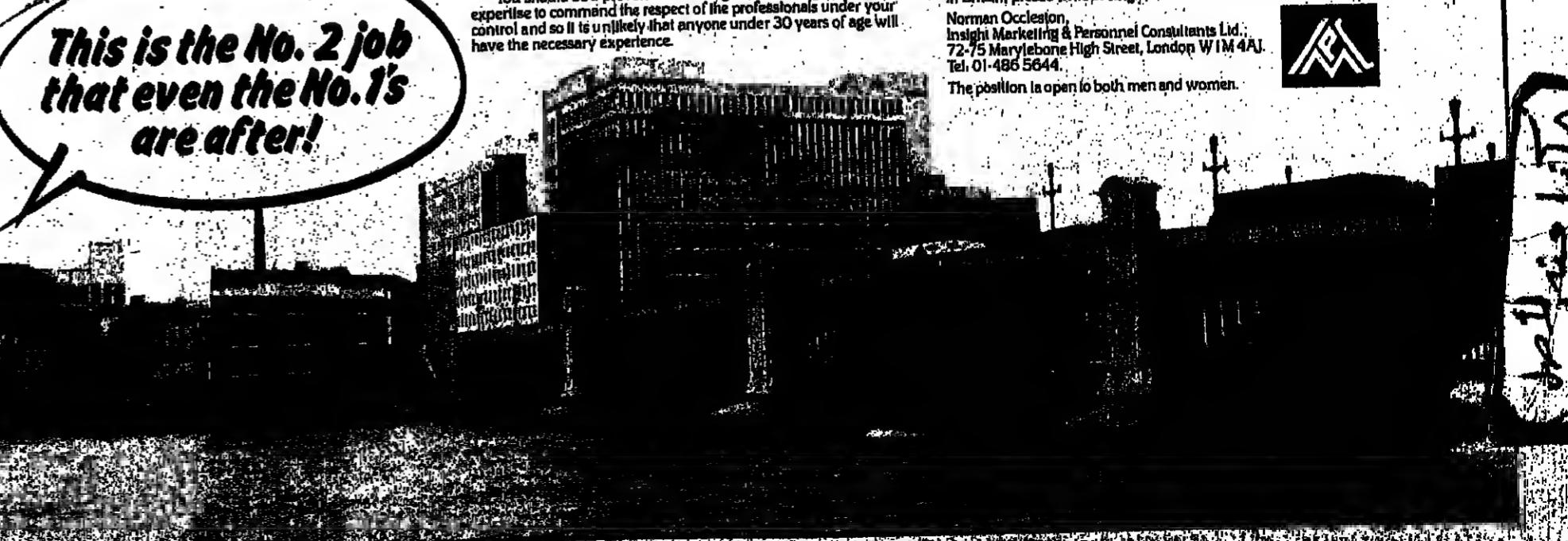
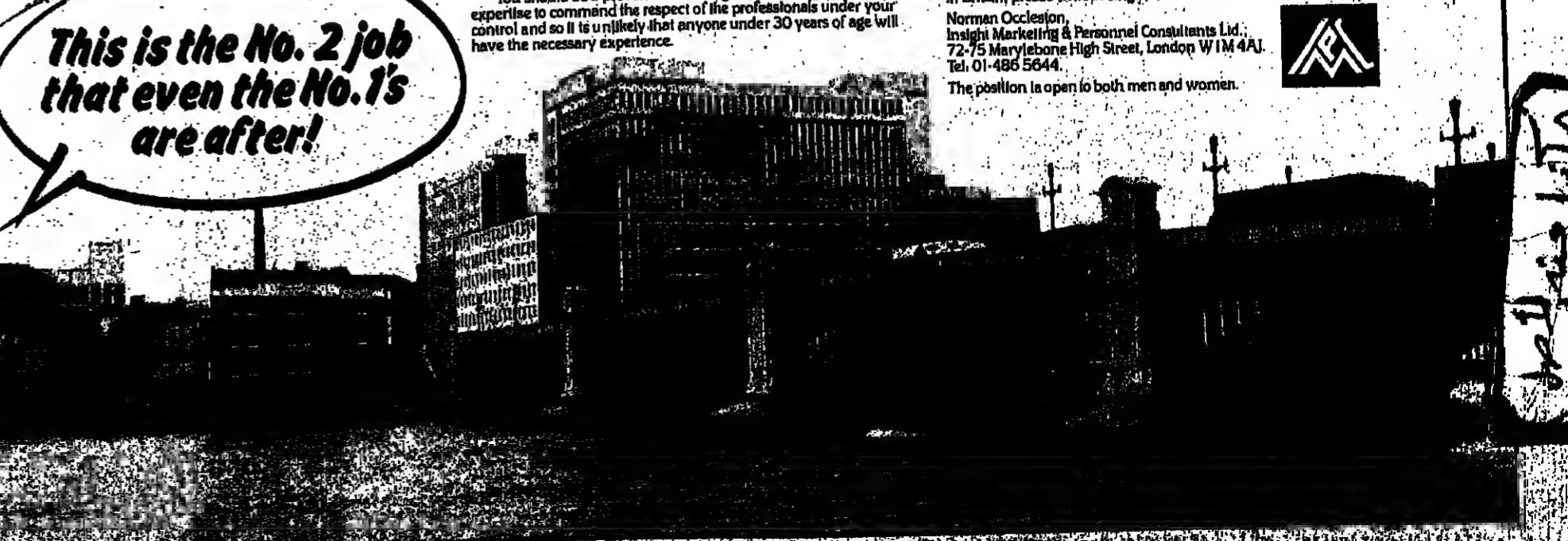
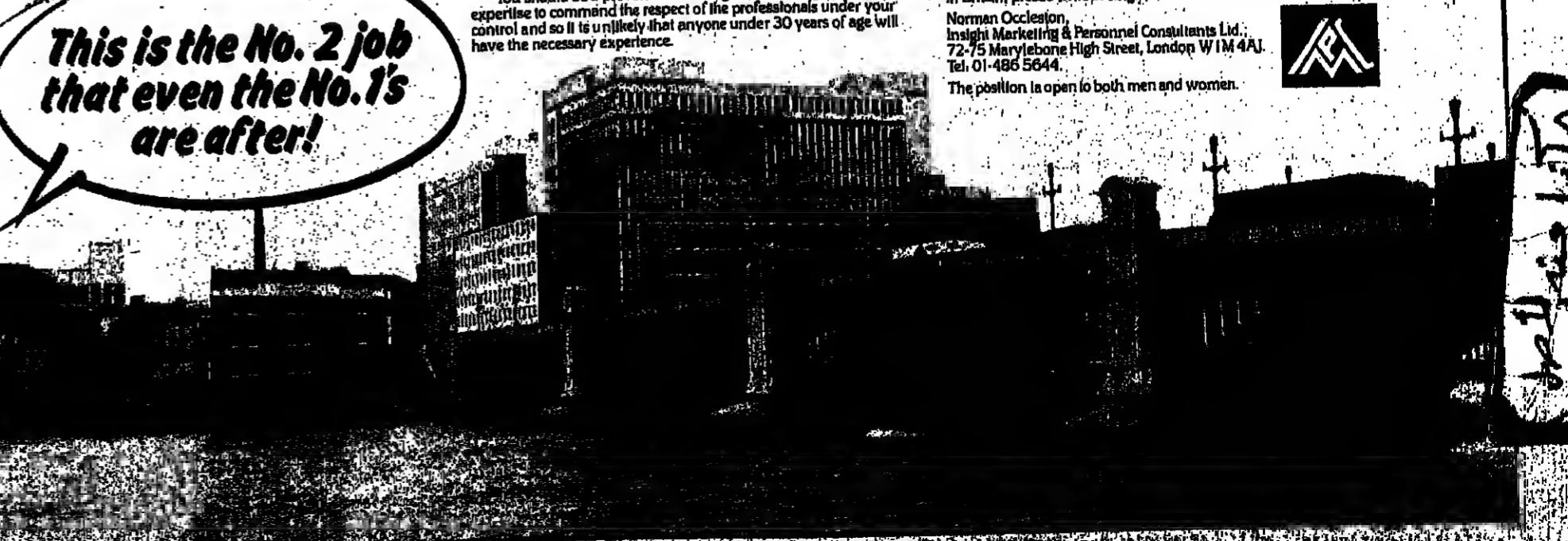
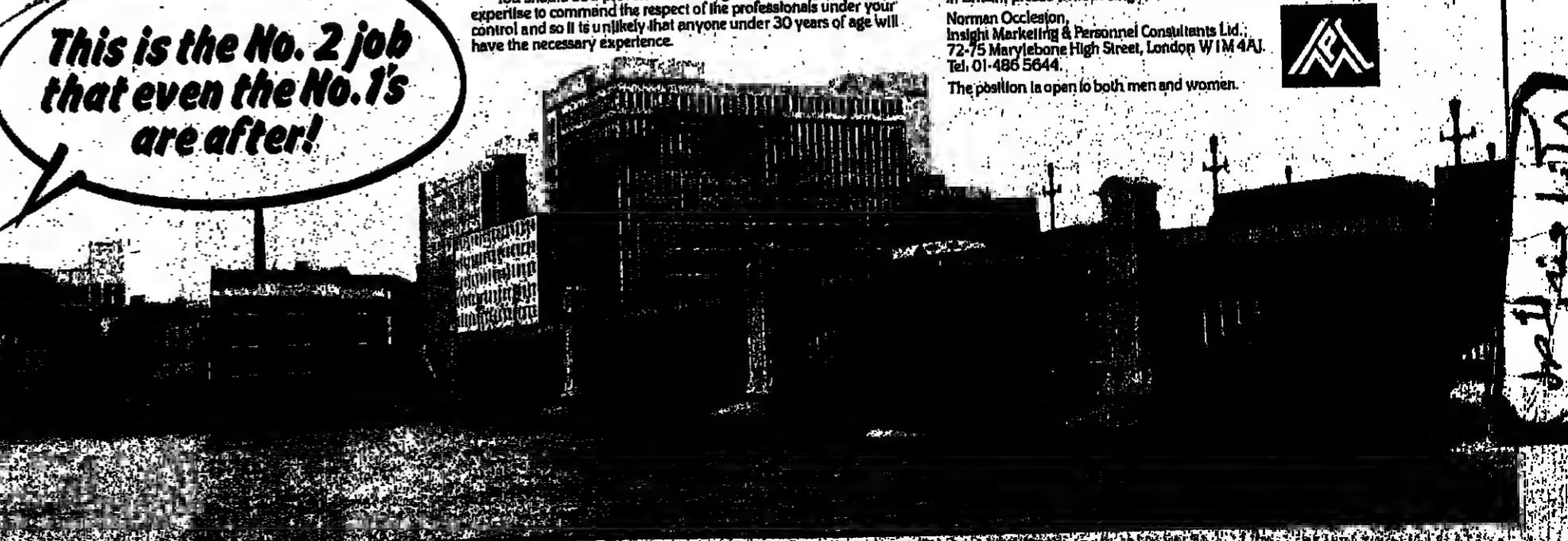
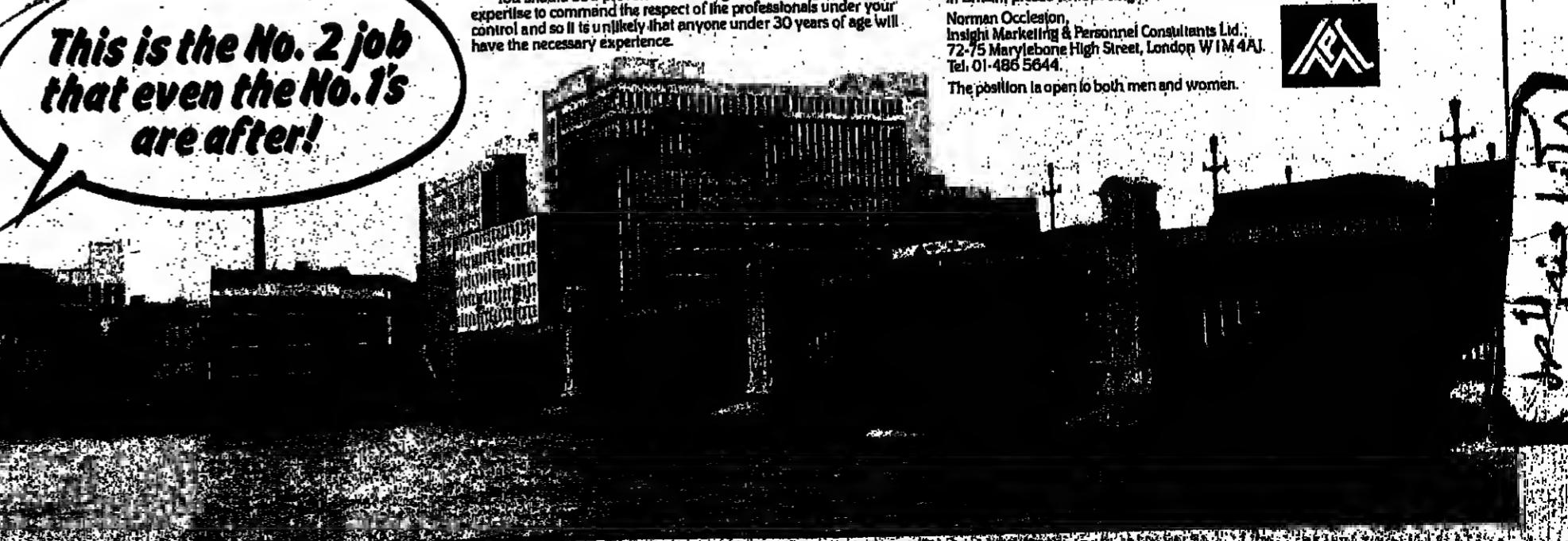
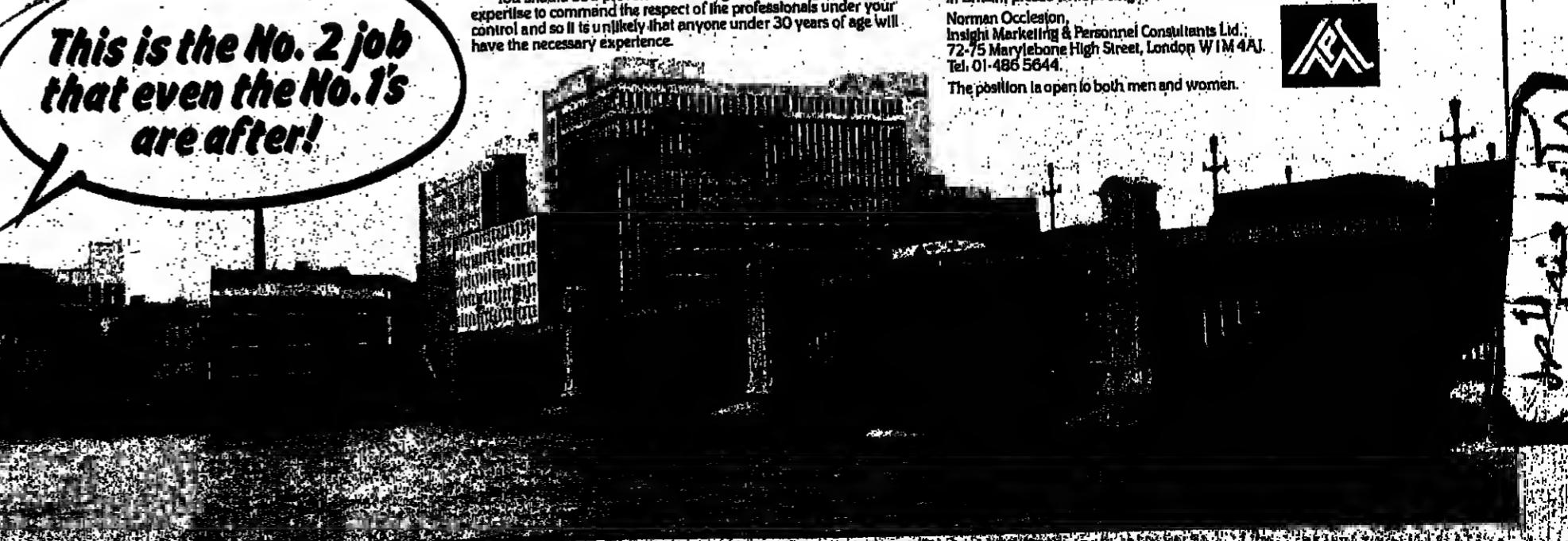
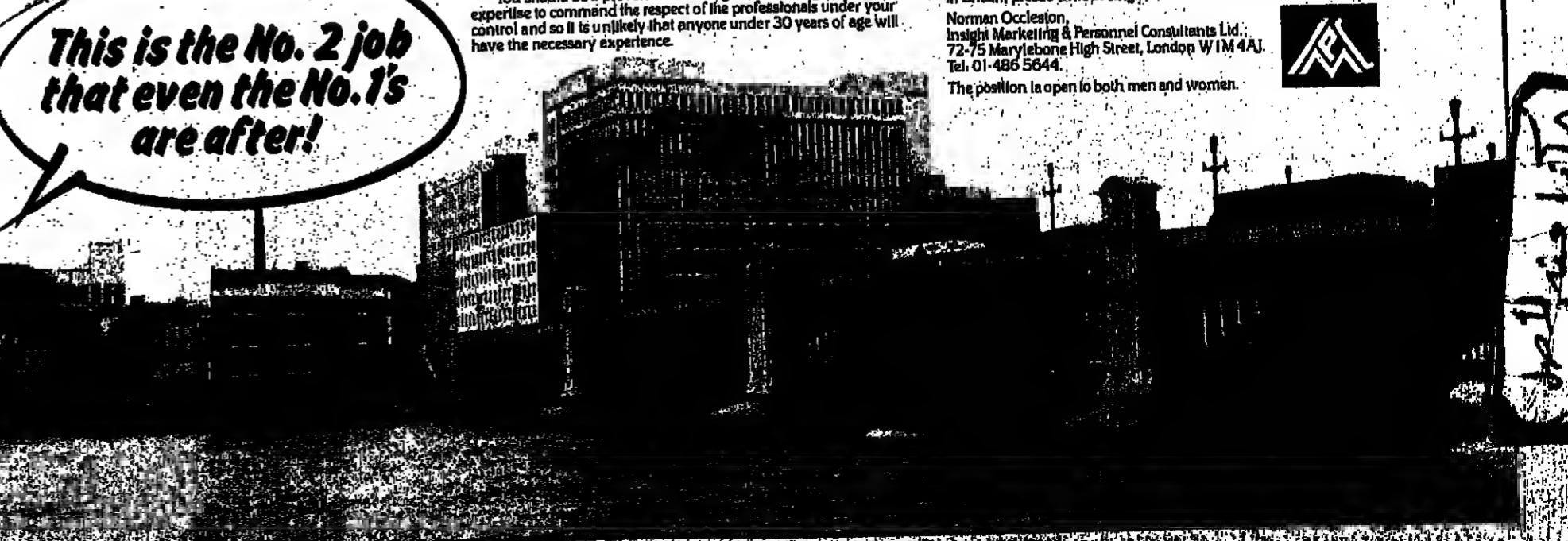
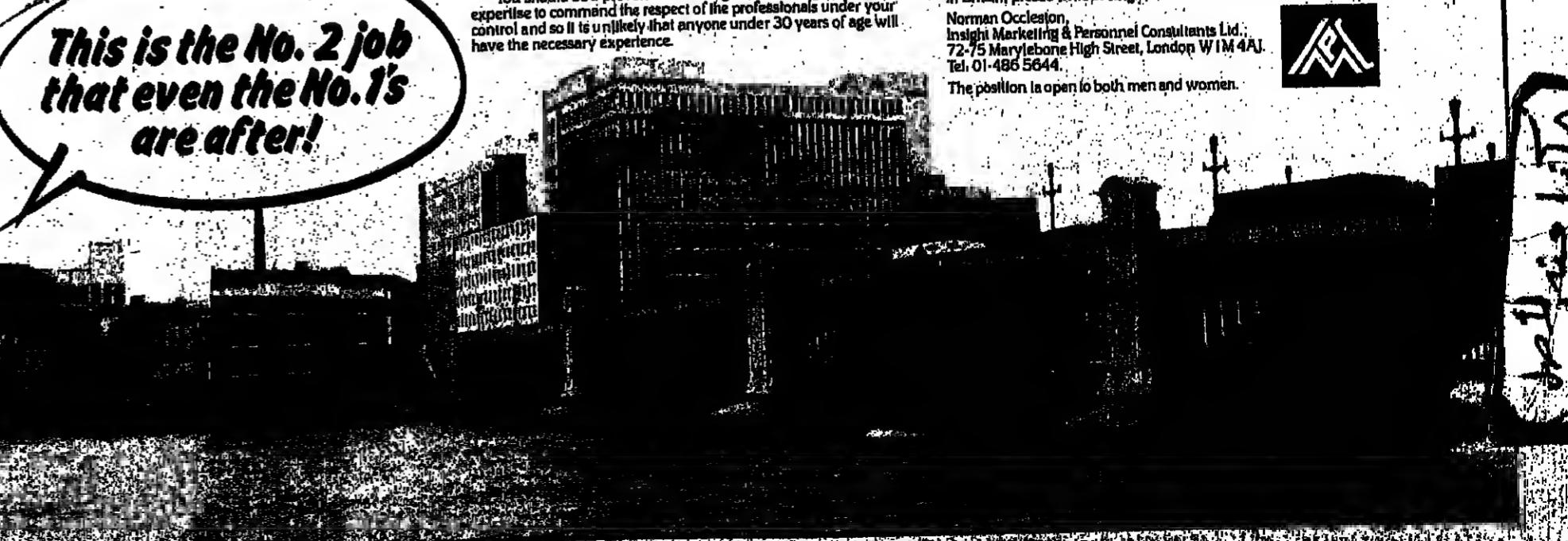
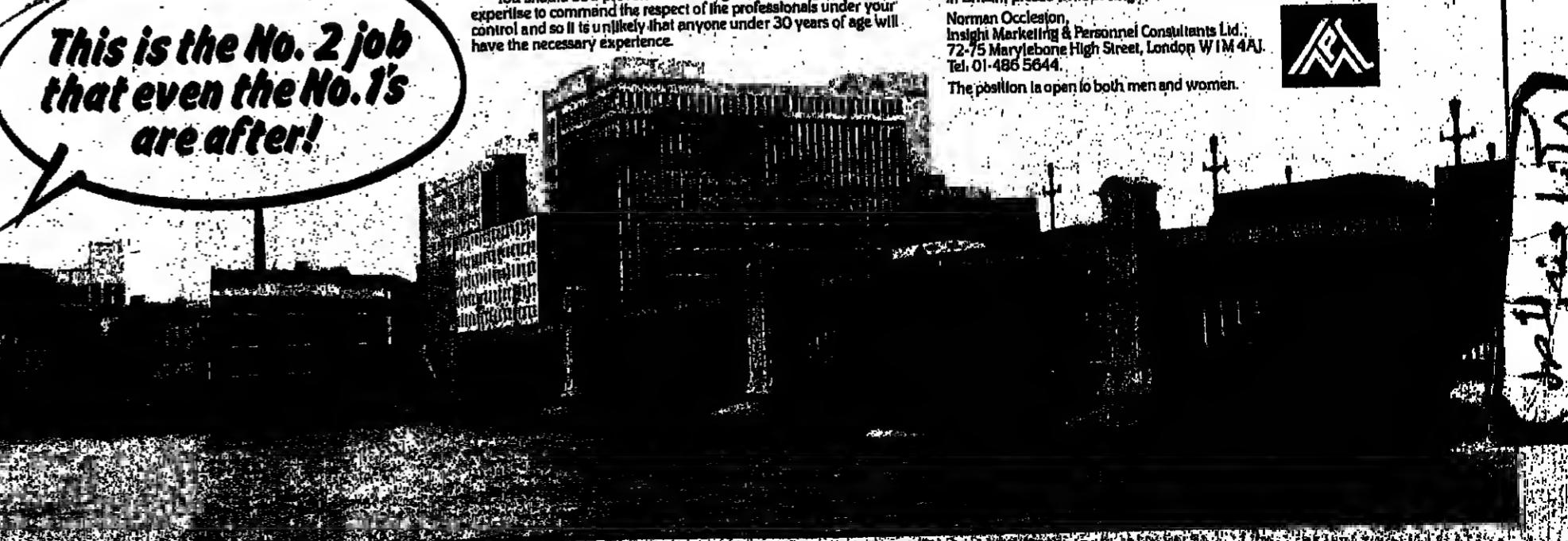
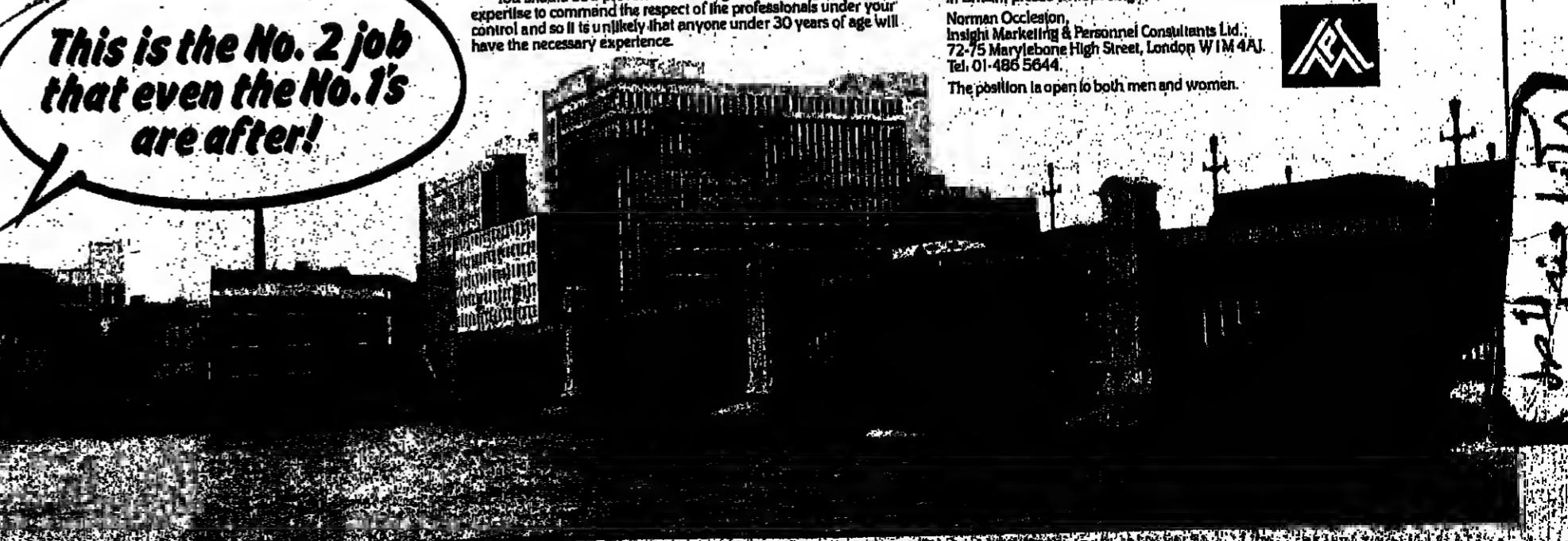
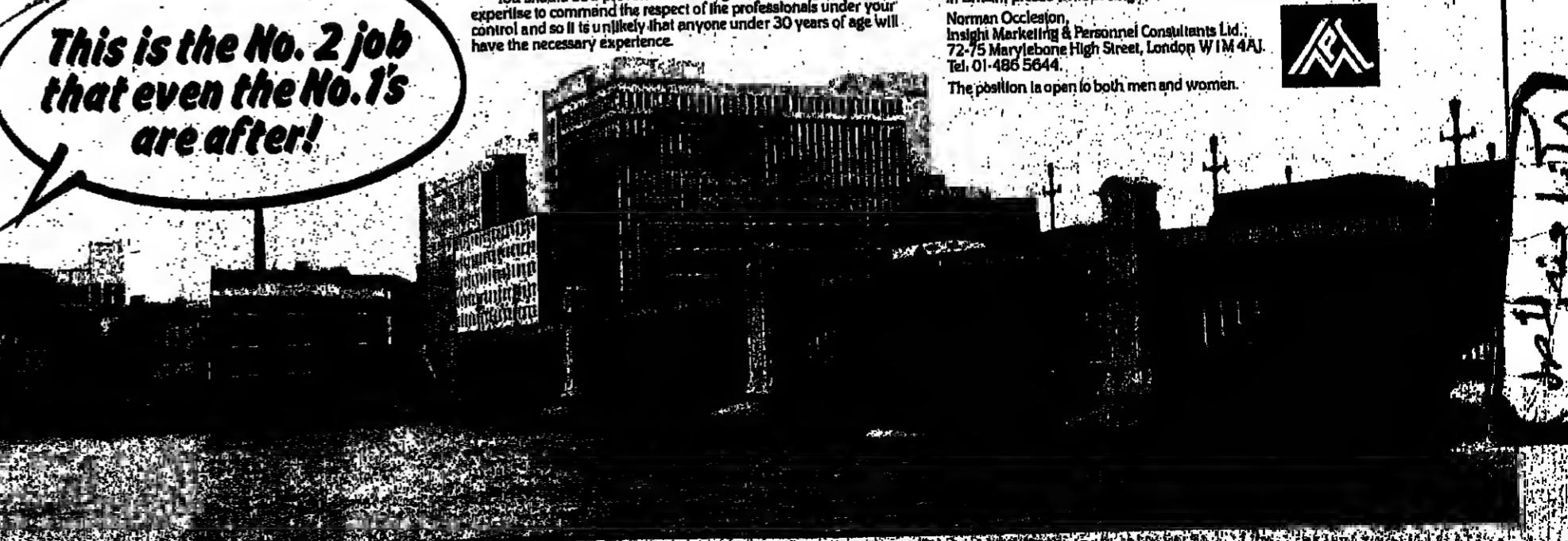
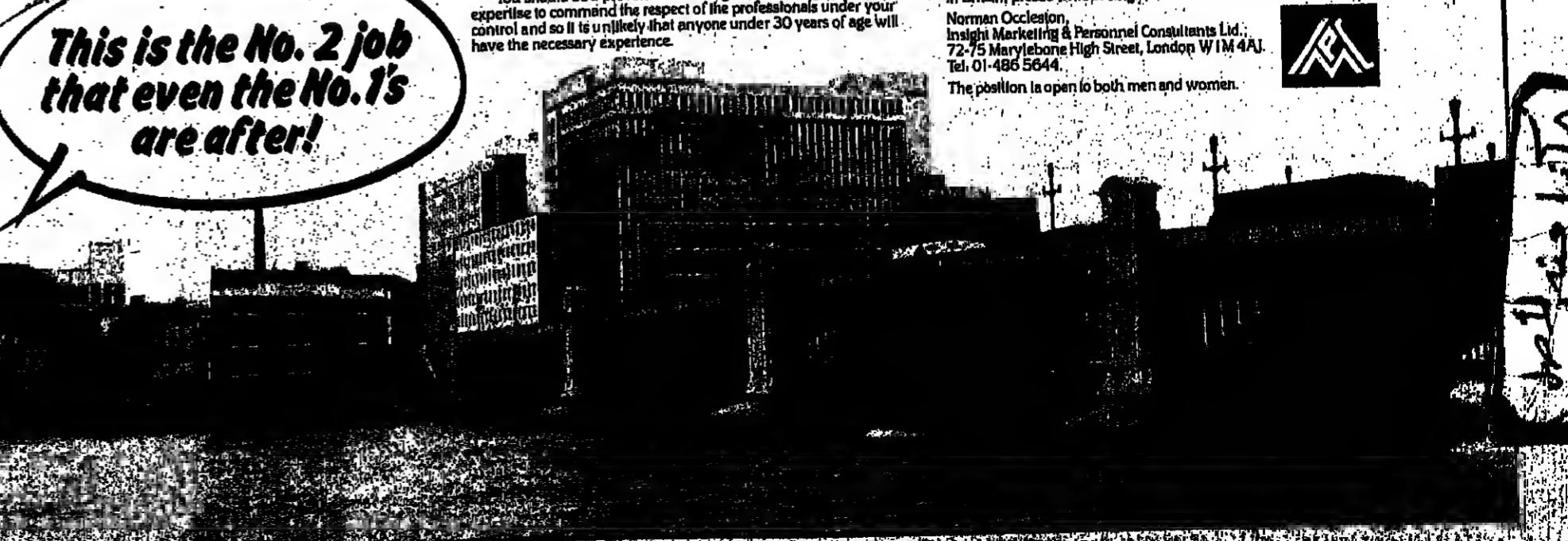
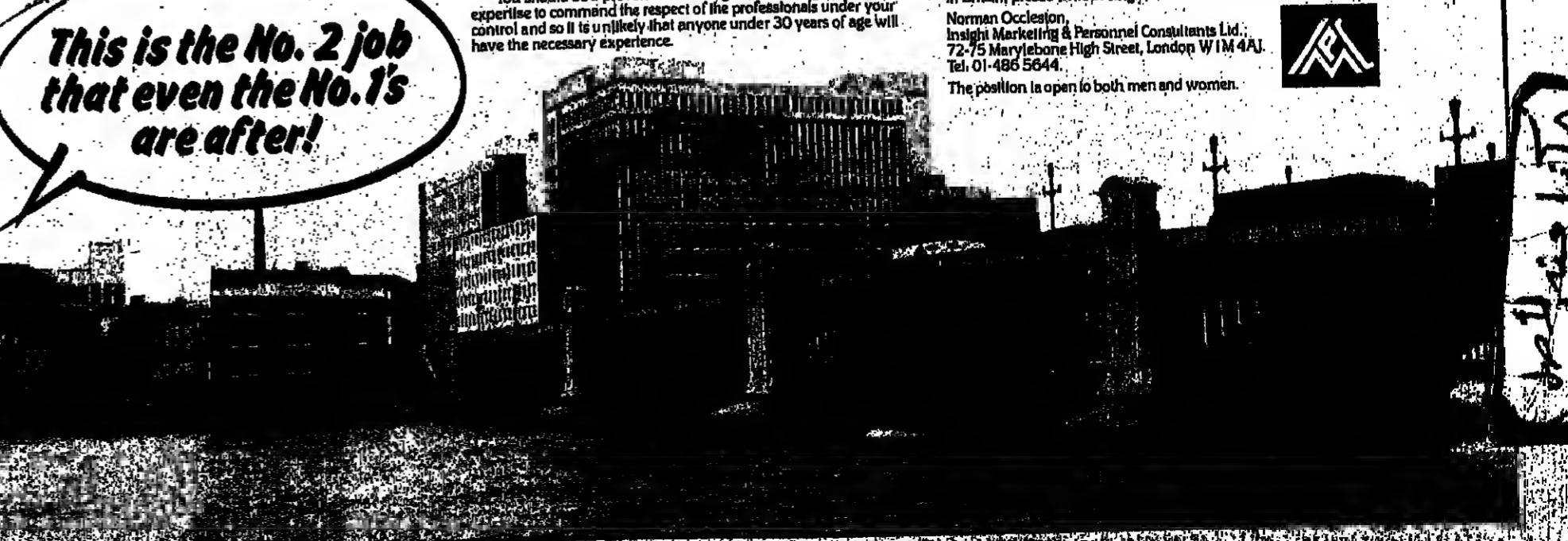
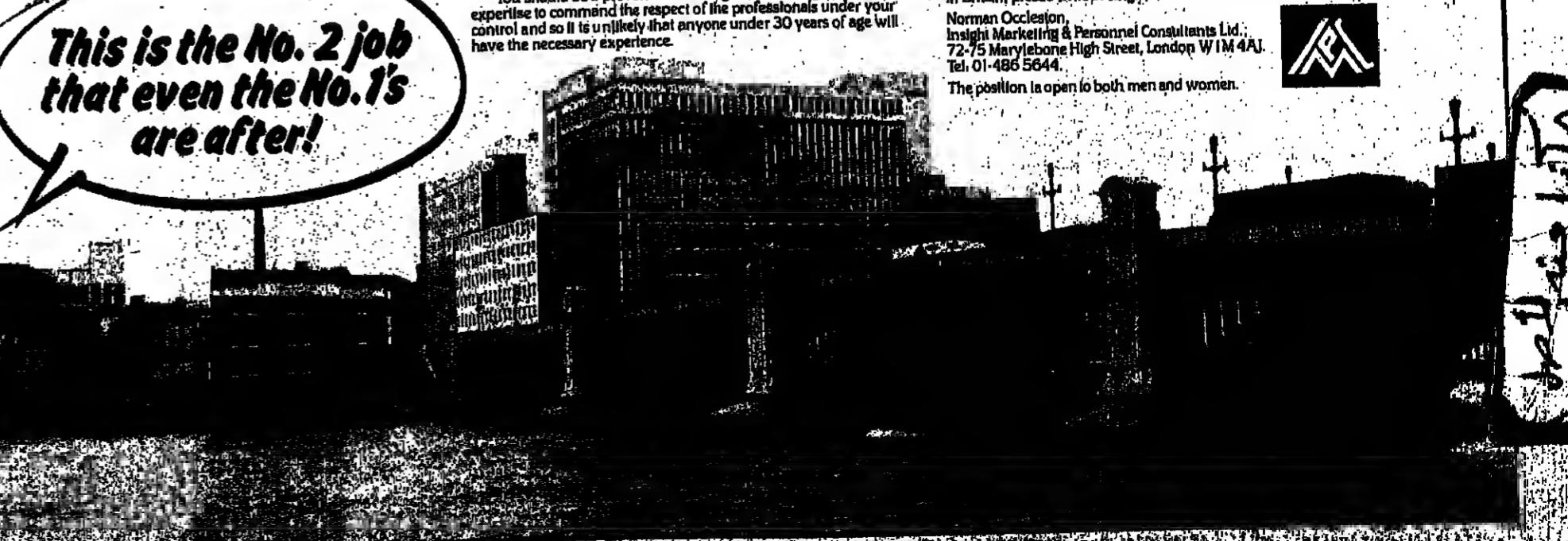
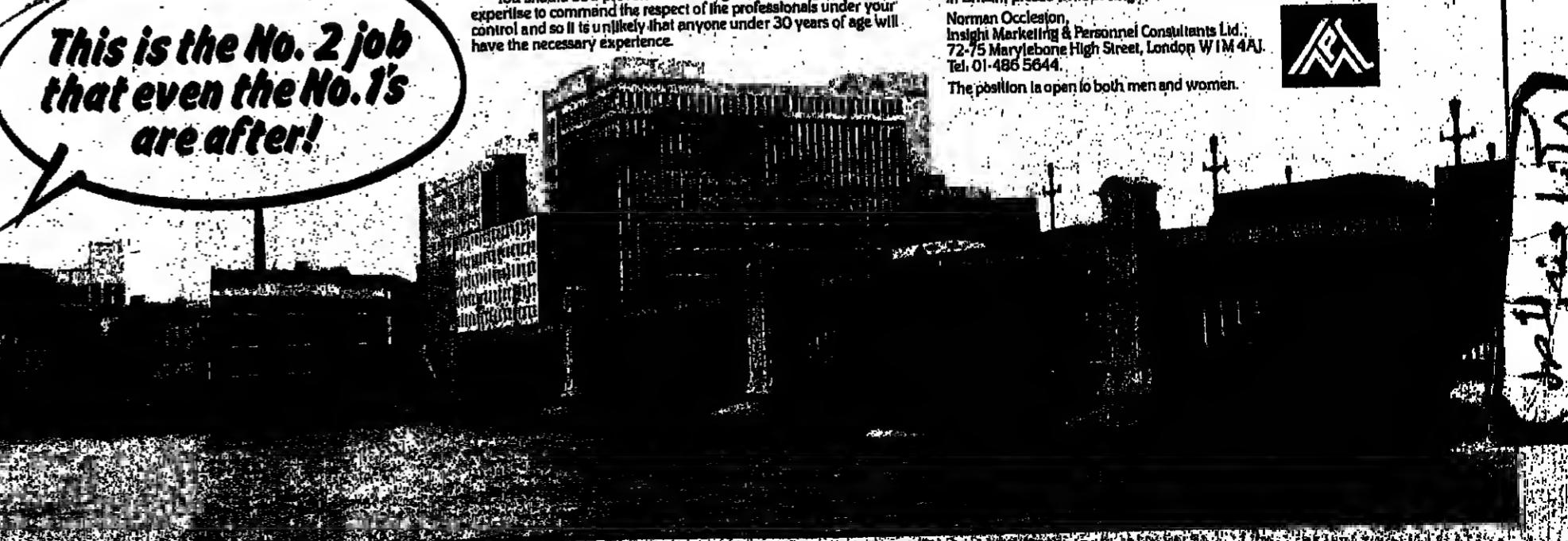
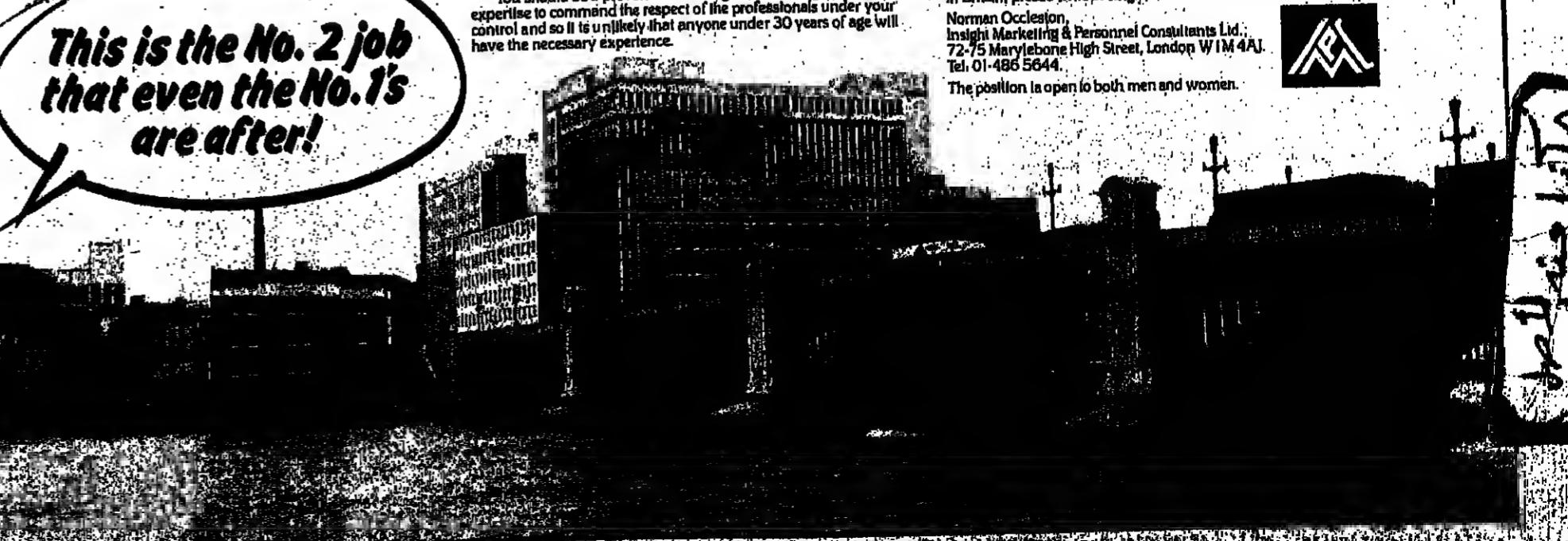
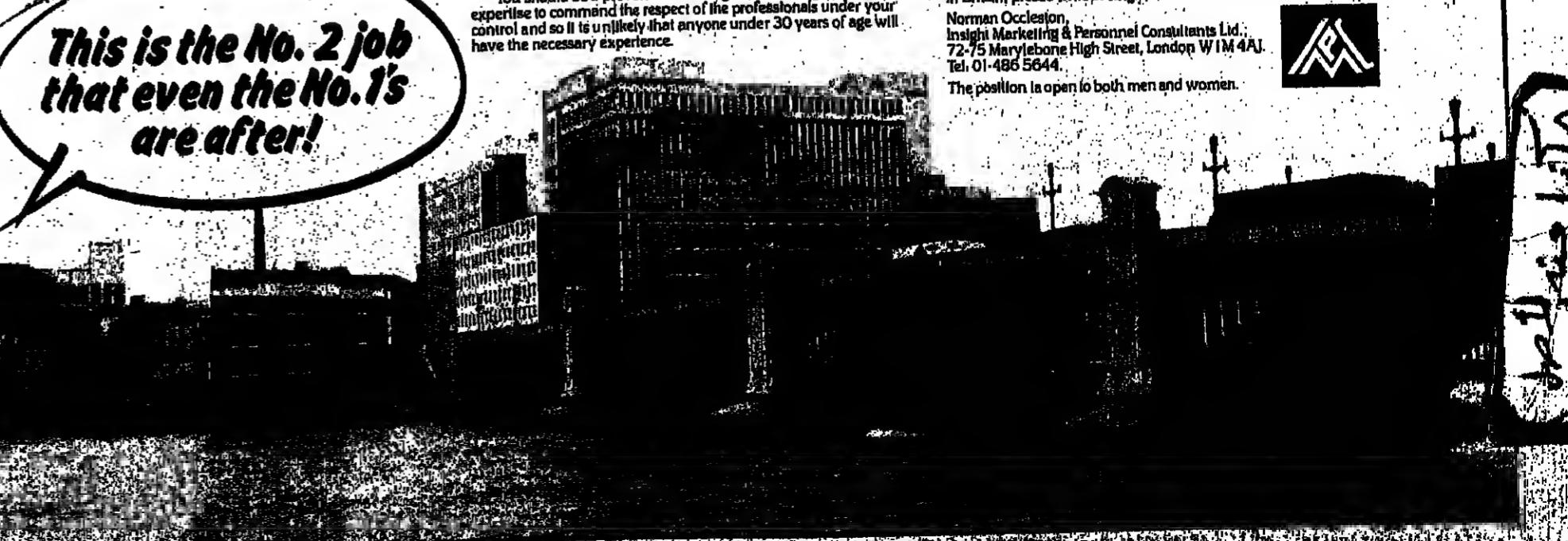
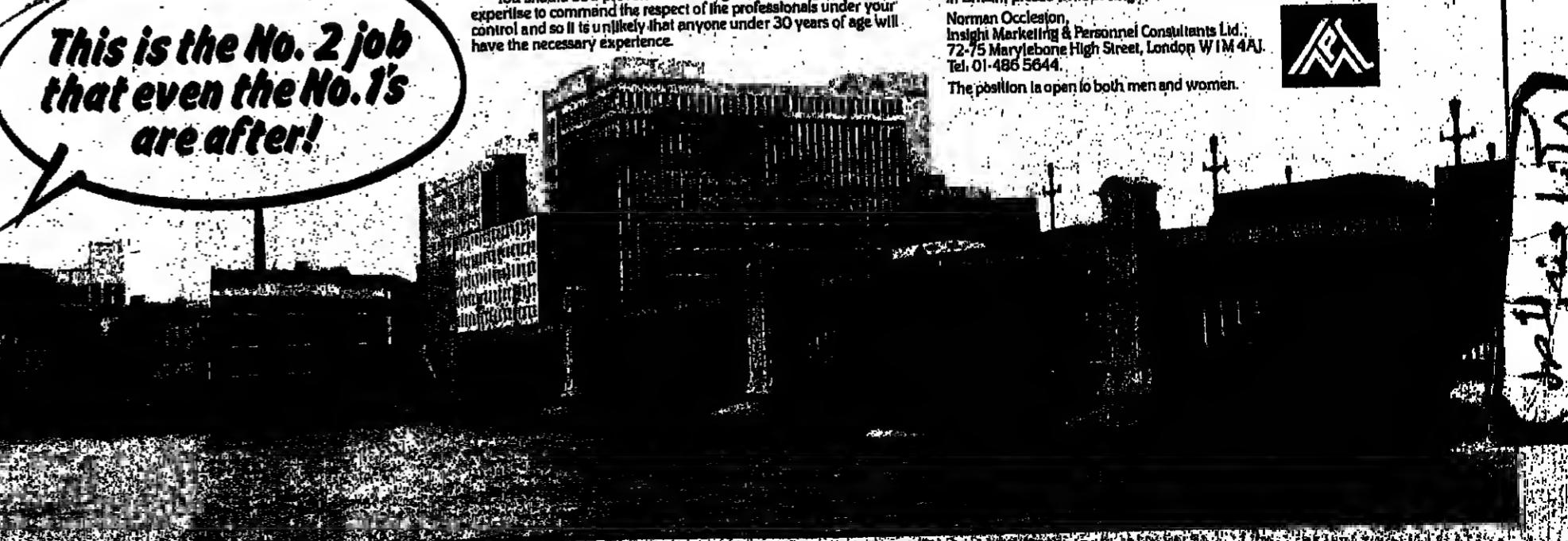
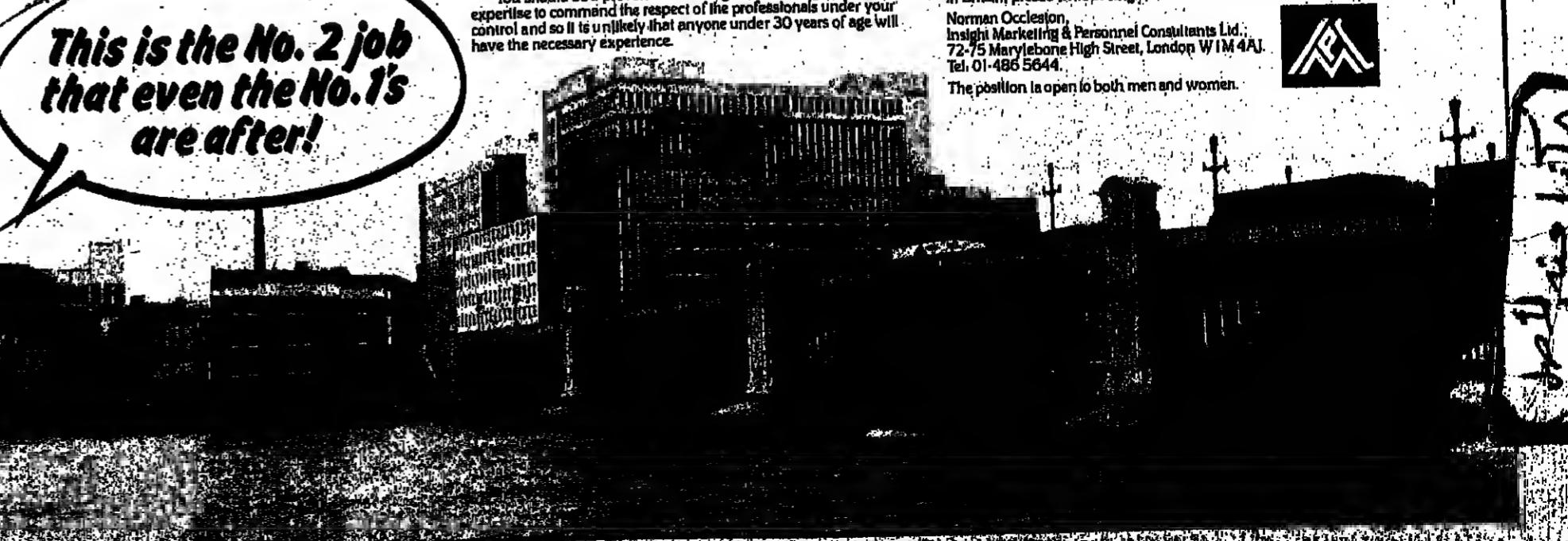
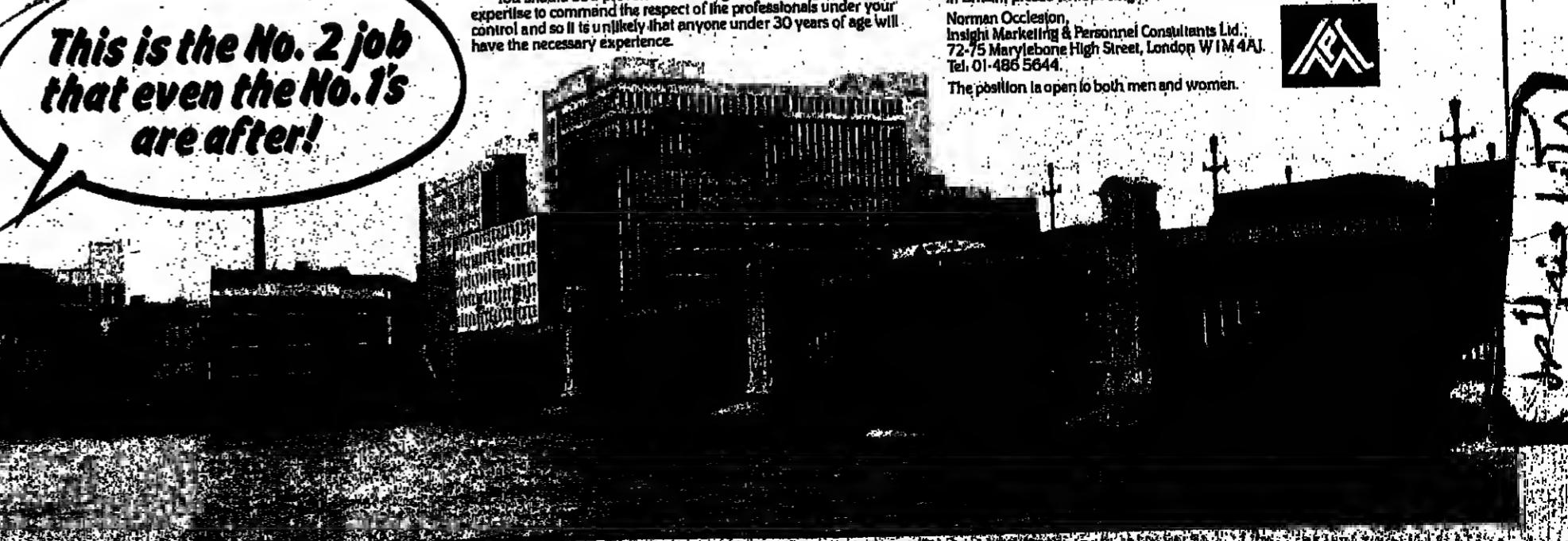
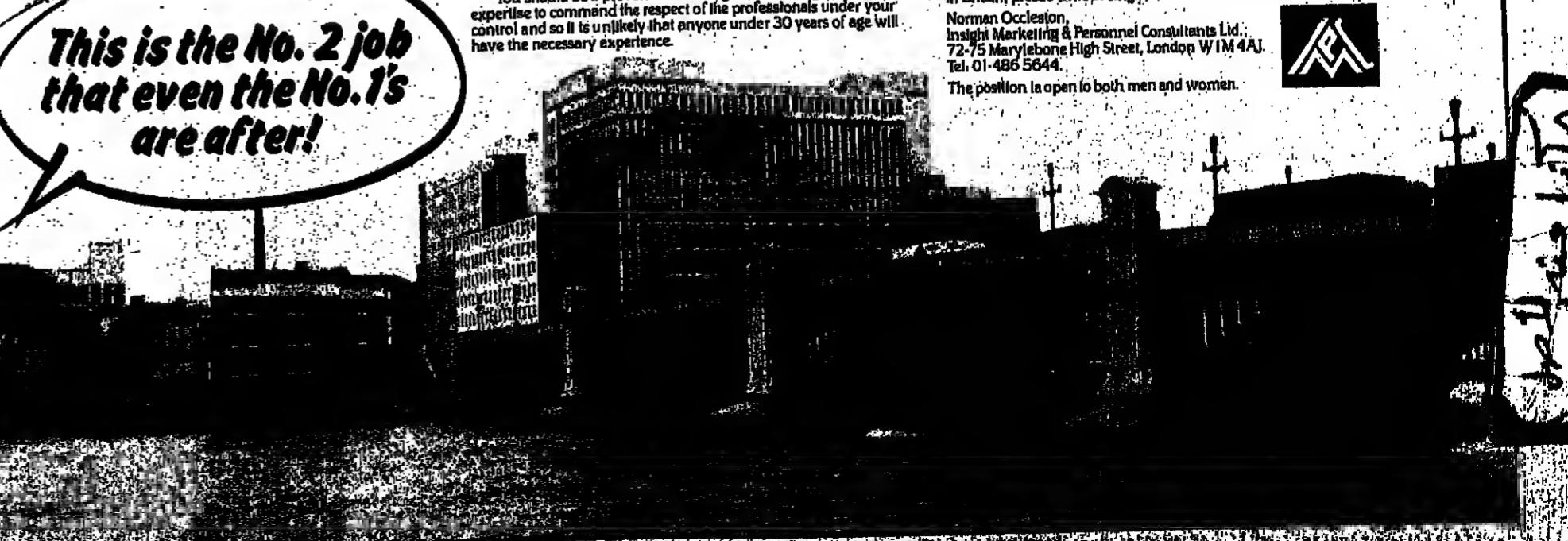
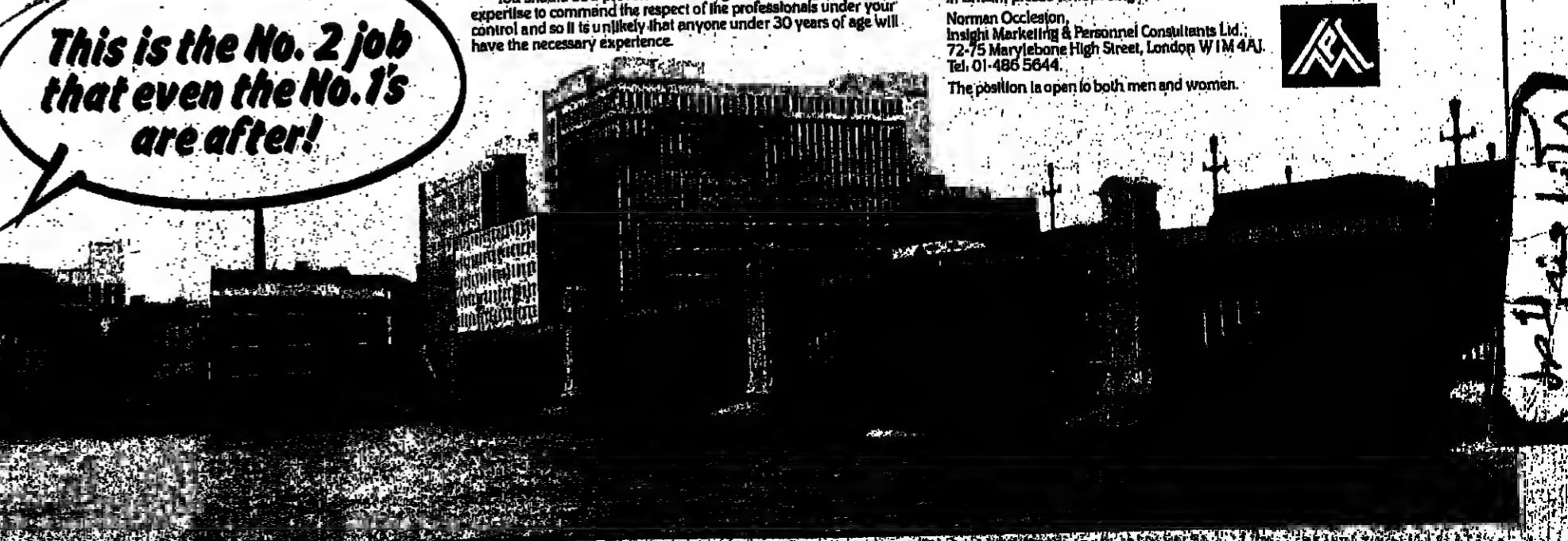
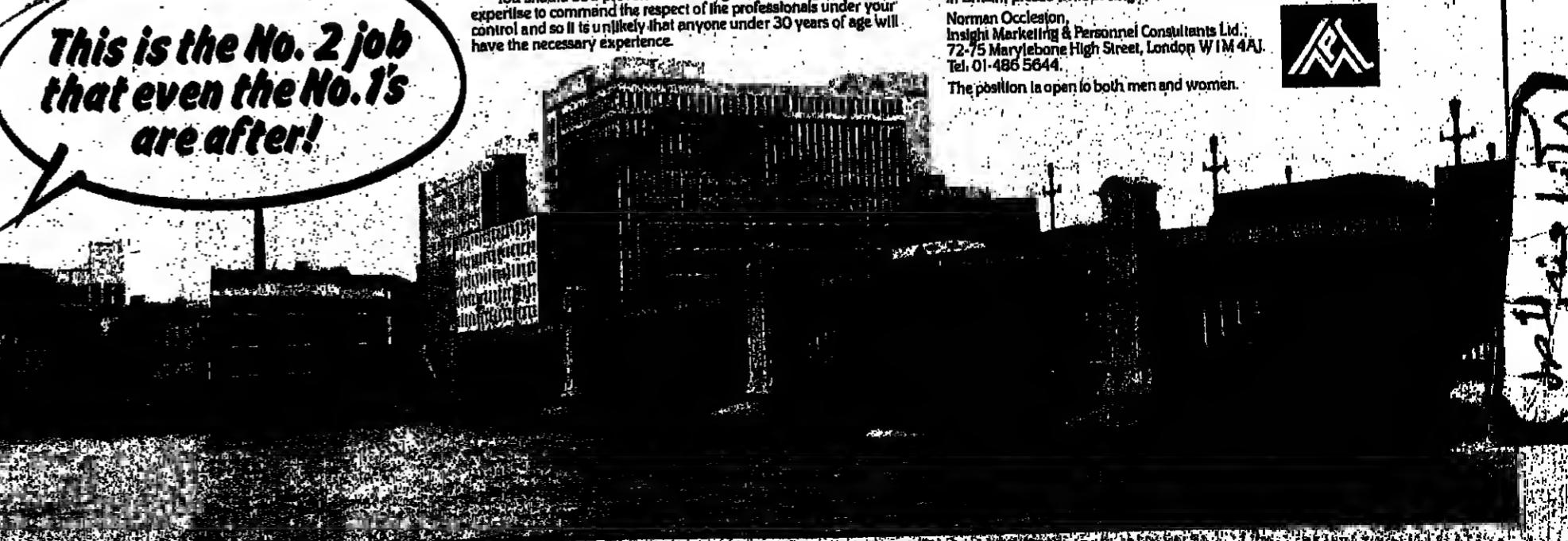
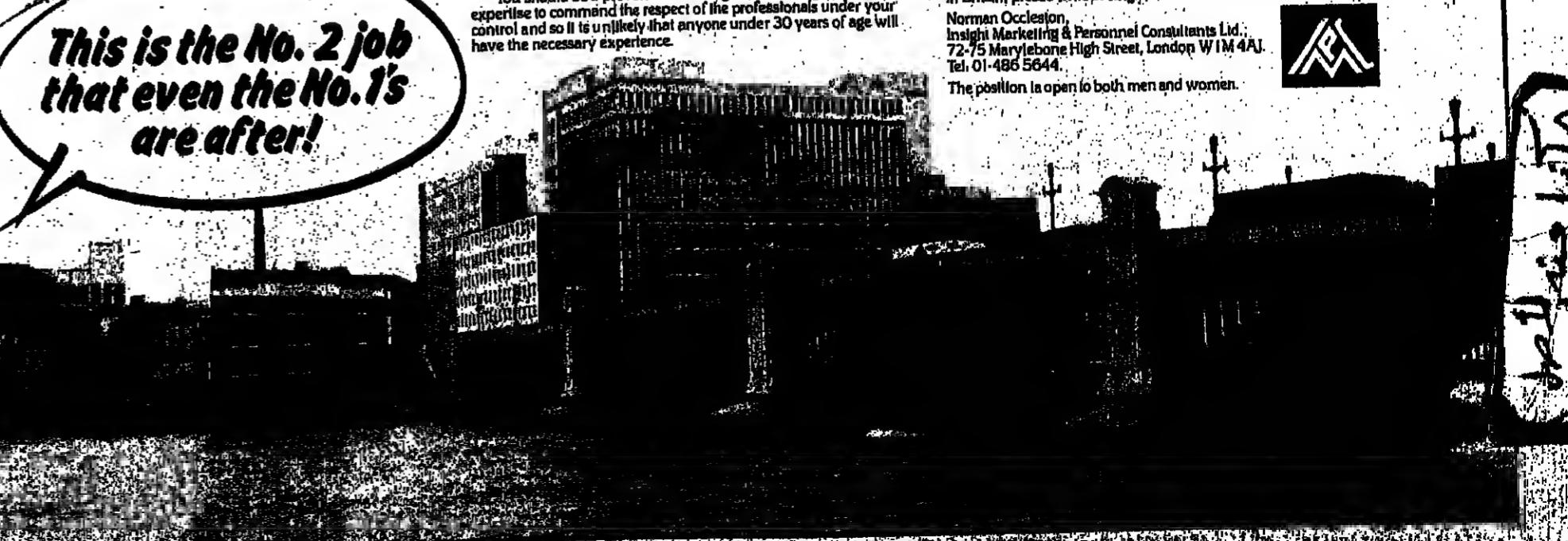
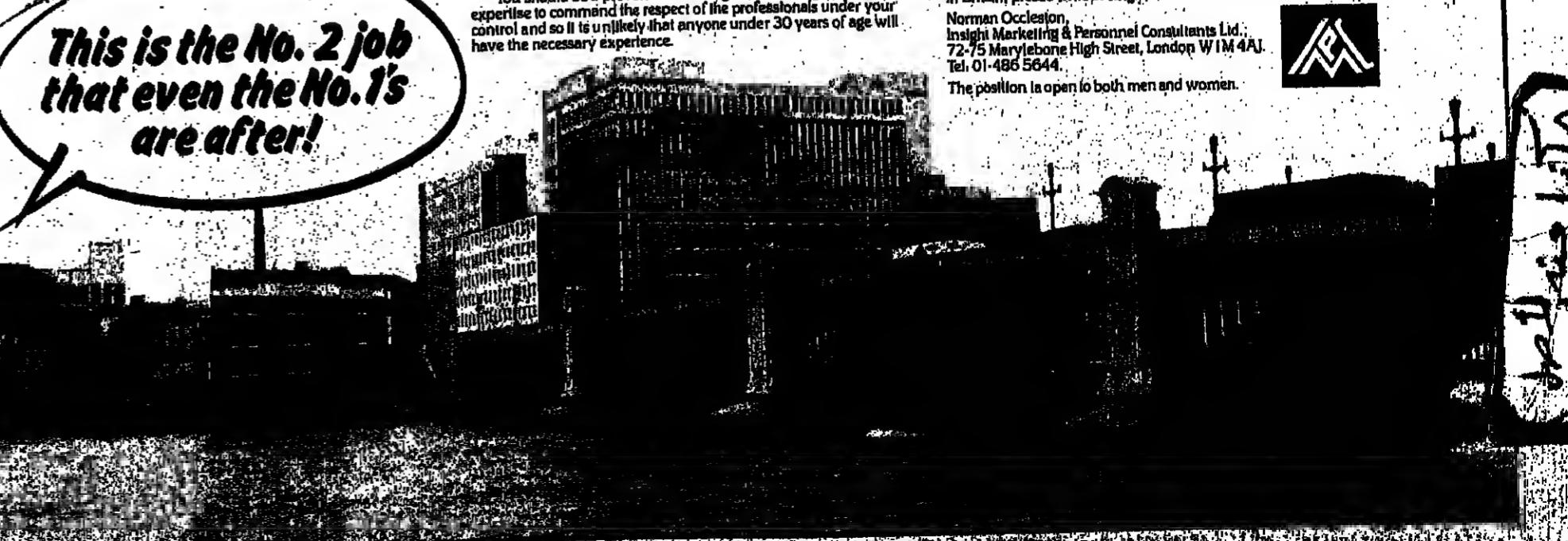
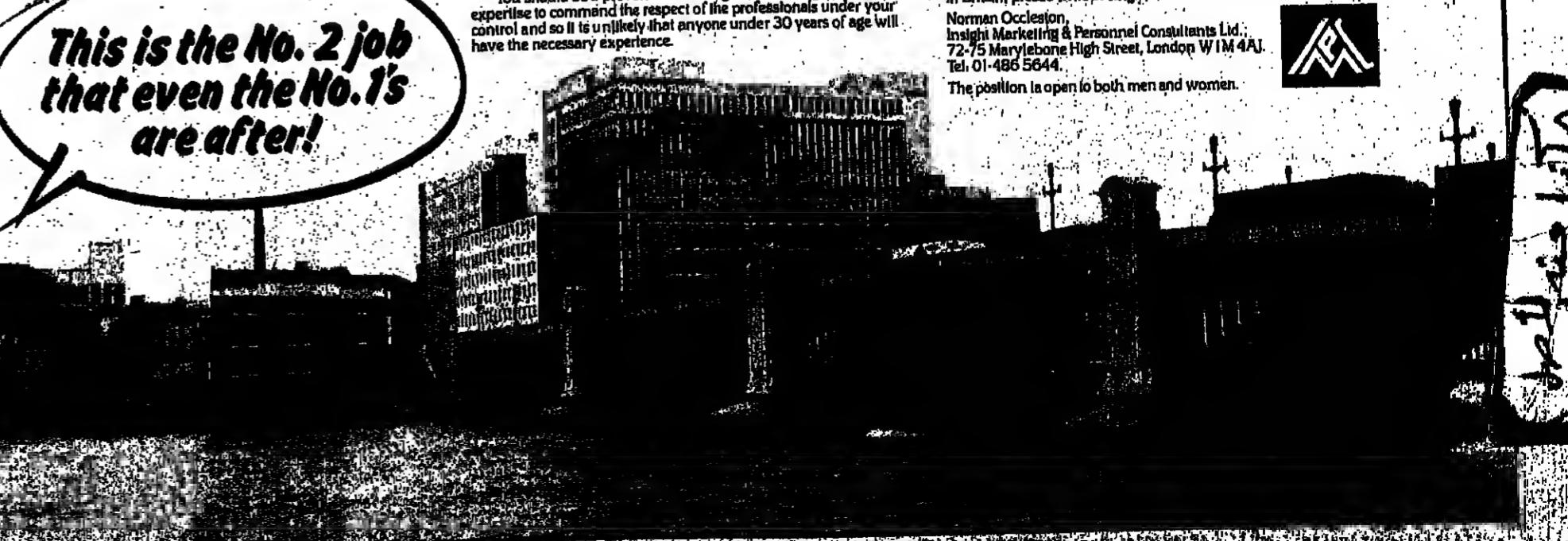
Incidentally, there is one other very good thing about the job. You will be working under a superb H.O.C. who was the outstanding candidate for the top job.

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The position is open to both men and women.



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Kuwait Airways Corporation have vacancies for two Computer Service Engineers to be based in Kuwait.

The responsibilities include service of check-in Cargo and Reservations Computers and Data networks.

A minimum of 3 years relevant experience is required preferably on mini-Computer Systems.

Salary is proposed at £12,000 p.a. with free accommodation. Salary is negotiable at time of interview.

There is no salary taxation in the State of Kuwait.

Please apply to:
KUWAIT AIRWAYS CORPORATION
Information Systems & Computer Services Department (IOP) P.O. Box 384, Kuwait.

Interviews will be held in April/May 1980.
Closing date for applications is 30th April 1980.

KUWAIT AIRWAYS

Systems Programmers

Bournemouth
£6,500-£9,000 p.a.

Abbey Life, one of Britain's leading life assurance companies, is rapidly expanding its requirements for on-line systems and software/implementation of a 2 megabyte IBM 3031 using OS/VSI and CICS.

Requirements

Assembler programming and a minimum 2 years practical experience of installation and maintenance of IBM operating systems and associated packages is essential.

Teleprocessing, and VSI, SVS or MVS experience desirable.

Benefits
Includes subsidised mortgage scheme, relocation package, non-contributory pension and free life assurance.

Application form from Tom Constandring, S.Y.D.P. Support Services Manager, Abbey Life Assurance Company Limited, 80 Holme Road, Bournemouth BH3 5AL. Telephone: Bournemouth (0202) 222373 ext. 3315.

Abbey Life

MANAGEMENT & EXECUTIVE SELECTION

Software Development

Bedford Bracknell

to £11K

Expansion of our software teams has created vacancies for software programmers and designers with experience of Operating Systems, Compilers, Utilities, Communications, Language Processors, Transaction Processing, Backup, and Networking. Working conditions and benefits are excellent.

Contact Derek Pearson

Software Programmers

London/Oxford Abroad

to £10K
to £22K

Good assembler experience on any major Mini or Micro, and experience of basic software is needed for work with Communications, Drivers, Operating Systems and Process Control. We are a major systems house and work could be either in-house or on-site often depending on personal preference. At the more senior level candidates should have at least one speciality and be capable of representing the company at a high level.

Contact Derek Pearson

Cobol Programmers for Database projects

Paddington

to £9½K

A major engineering company located near Paddington Station wishes to recruit a Senior Cobol Programmer and a Cobol Programmer to help develop new on-line financial database systems. Any Cobol background could be acceptable for the right candidates. The usual large company benefits apply including paid overtime, pension scheme and relocation expenses.

Contact Terry Bate

RPG11 Programmers for Multi-national Company

Holborn

to £7½K

The world's most profitable and fastest growing corporation has recently expanded their computing facilities to include system 34 machines and these will be located world wide. New positions have been created for RPG11 programmers with at least one year's experience. A large number of new projects are planned and successful applicants will initially work on a customs and excise system and an oilfield statistics project, etc. Usual large company benefits apply.

Contact Terry Bate

Engineering Programmers/ Analysts

N.W. London Central London

to £10K

Programmers and Analysts with either d.p. experience in an engineering degree of background are required for these internal or external consultancy vacancies. Fortran or PL1 on IBM mainframe, or Fortran on Minis are the major prerequisite.

Contact Derek Pearson

telephone 01-637 9611

Univac Programmers

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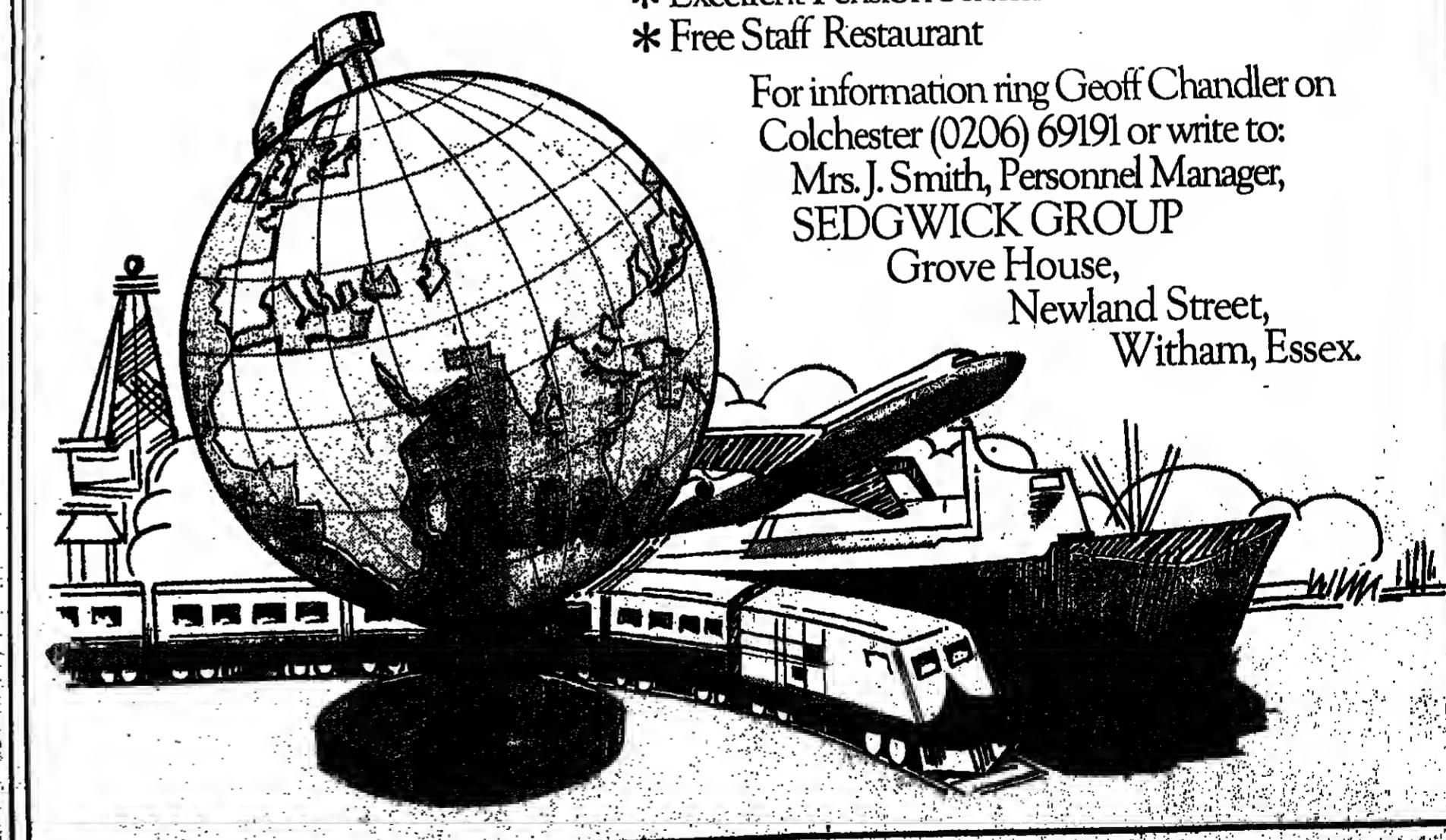
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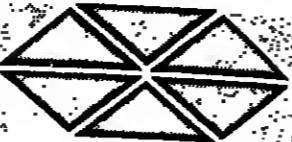
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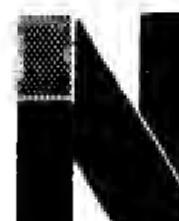
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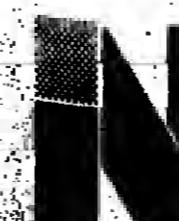
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Salary and conditions of service will be discussed at interview.

For further details please phone:

Mr. G. W. Rose
Store Personnel and Administration Manager
041-242 2988, extension 254

WALSALL METROPOLITAN BOROUGH COUNCIL

The following vacancy exists in the Council's Computer Division:

SENIOR PROGRAMMER

Up to £7,077 (cost of living increase due 1.7.80)

Applicants must have a minimum of 2 years' COBOL experience, preferably on ICL 1800 series. A knowledge of PLAN, COMMS, MANAGER and DRIVER would be advantageous.

The appointment offers the following benefits:

- Removal expenses and lodgings allowances (where appropriate)
- 24 days annual leave + 12 days' public holiday
- Flexible working hours
- Opportunity to work on real-time applications
- Opportunity to work on new range machine (evaluations currently being placed to replace existing ICL 1802T).

Please write or call for an application form and further information to the Town Clerk, Walsall Metropolitan Borough Council, Civic Centre, Walsall WS1 1TW (Telephone Walsall 21244, ext. 2624).

Closing date for receipt of applications, 30 May 1980.

FIELD ENGINEERS

Documentation - the fifth fastest growing manufacturer in the computer industry, with a growth rate of 70 per cent and still rising - is looking for field engineers.

These are required to service Documentation's range of IBM plug-compatible printers - which includes the world's fastest Impact line printer - in London and the Midlands. Usual large company benefits apply, including company car, free BUPA membership and life insurance. If you are interested in finding out more about these openings, informal interviews will be held on:

- Tuesday, 29th April, at the Royal Garden Hotel, Kensington, 12 noon to 9 PM.

- Wednesday, 9th May, at the Post House Hotel, Great Barr, Birmingham. (Off exit 7 on M6.) 12 noon to 9 PM.

If you are unable to attend, please telephone Maureen Day on 01-898 1821 to arrange an interview.

Documentation Limited, 13 Mount Road, Hanworth, Feltham, Middlesex TW13 6AR.

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If you are currently a programmer or analyst/programmer, possessing Assembler level experience, together with familiarity with one of the major mainframe operating systems, we can show you a fuller, more exciting world outside of the traditional user environment.

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Then consider the effect it would have on your career and capabilities, having gained the following:

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Such career opportunity does not present itself very often, so contact, in the first instance, our Advising Consultant Dave Scarlett on 01 935 0671, or evenings and weekends (before 9.00 p.m. 01-540 3549).

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To control a project team of analysts and programmers responsible for both development and maintenance of systems. Proven systems experience, at least 2 years, with previous DP experience as a programmer is preferred, and a good educational background is necessary. Applications covered by the installation are wide-ranging and commercial or financial experience will be relevant.

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Working closely with a Senior Analyst and leading a small team of programmers, this position requires good, technical programming experience. At least 2 years working with, preferably, IBM mainframes, in ASSEMBLER and COBOL, with a knowledge of CICS.

SENIOR SYSTEMS PROGRAMMER**To £9,480 + 27 days holiday + Other Benefits**

This position has responsibility for the evaluation of all software, including operating systems and commercial packages and for the implementation of new systems software within the installation. Technical experience must include in-depth ASSEMBLER, DOS/VSE and CICS. People responsibility must be accepted for a small team and some supervisory experience will be necessary. Any necessary training will be given in new software techniques, such as VSE, VM and VOLLIE.

OTHER BENEFITS, in addition to salary and exceptional holiday conditions, include:

- 35 hour week
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- Relocation Package
- Accessible, West London offices
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- Excellent Pension Scheme
- Established review procedure - next review 1st July, 1980.

Positions are open to male and female applicants. To apply please write or telephone (24 hour service) quoting ref: CW121-P.

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Our success has resulted from an exciting involvement in both the design and delivery of systems and with the upgrading of our range of documents recently several ICL 2000 series have

been installed. Our own telecommunication systems including high speed links networks carrying telephone, teletype, telex and data traffic.

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We require a Programmer with a minimum of 18 months' RPG II experience to join our Data Processing Department, presently numbering eleven. Knowledge of CCP on line application would be an advantage. This is an expanding department and career prospects are good for the right candidate.

Salary and conditions of service will be discussed at interview.

For further details please phone:
Mr. G. W. Roast
Shore Personnel and Administration Manager
041-248 2988, extension 214



WALSALL METROPOLITAN BOROUGH COUNCIL

The following vacancy exists in the Council's Computer Division:

SENIOR PROGRAMMER

Up to £7,077 (cost of living increase due 1.7.80)

Applicants must have a minimum of 2 years DBDL experience, preferably ICL 1900 series. A knowledge of PLAN, COMMS, PLANNER and DRIVER would be advantageous.

The appointment offers the following benefits:

- Relocatable expenses and lodgings allowances (where appropriate)

- 24 days annual leave + 12 days public holidays

- Flexible working hours

- Opportunity to work on real-time applications

- Opportunity to work on new range of machines (evaluations currently taking place to replace existing ICL 1902T).

Please write or telephone for an application form and further information to the Director, Walsall Metropolitan Borough Council, Civic Centre, Walsall WS1 1TW (telephone Walsall 21244, ext. 2294). Closing date for receipt of applications: 30 May 1980.

FIELD ENGINEERS

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If you are unable to attend, please telephone Maureen Day on 01-898 1821 to arrange an interview.

Documentation Limited, 13 Mount Road, Hanworth, Feltham, Middlesex TW13 6AR.

DOCUMENTATION

Computer Programmer

Forestry Commission Research Station
Alice Holt Lodge, Farnham, Surrey

To join a small team in the Statistics and Computing Branch, providing programming support for Forestry Commission research on the growing, protection from pests, and planned harvesting of trees. The computer programmer appointed will assist scientists and other programmers with the writing and application of mathematical and statistical software, and will develop data bases so that enquiries can be quickly answered. The work will involve programming in FORTRAN and PASCAL and BASIC and use of a PRIME 400 linked to other larger computers.

Candidates, normally aged under 27, should have a Degree or equivalent, preferably in mathematics, some knowledge of statistical methods and knowledge of FORTRAN. Computing experience, particularly with PRIME mini-computers, would be advantageous. Appointment as Scientific Officer £3890-£6485 with starting salary according to qualifications and experience. Salaries under review. Further prospects: Non contributory pension scheme.

For further details and an application form (to be returned by 9th May, 1980) write to Mr. A. J. Freeman, Personnel Branch, Forestry Commission, 231 Camphor Road, Edinburgh EH12 7AT. Please quote ref. SA/14/DM.

Scientific Civil Service

YORKSHIRE WATER AUTHORITY
SOUTHERN DIVISION

COMPUTER OPERATIONS SUPERVISOR

G5 (£5421-£5805) Pay Award Pending
Ref. No. S14/80

Applications are invited for the above post based at Castle Market Building.

The successful candidate will be responsible for the effective control of the Computer Operations Section, including allocation and tracking work, maintaining the scheduled time table of computer operations, liaison with the computer centre and supervising and training the five operational staff. Duties include operating the ICL 7803 computer terminal which is connected to the Authority's ICL 2570 mainframe computer, and the preparation of reports and statements as required. During the next few months it is planned to replace the existing computer system and candidates must be familiar with both the new and old systems and be able to check punch and verifier machines with Mohawk Data Services using 21 key to check terminal equipment and experience of that terminal equipment would be advantages.

Candidates should have proven experience in staff supervision and operation of computer terminal and data preparation equipment.

Applications quoting Ref. No. S14/80 and stating age, qualifications and experience should be sent to Mr. M. J. Miller, Director, Yorkshire Water Authority, Southern Division, Castle Market Building, Yorkgate Street, Sheffield S1 1UB, to arrive not later than 30th April, 1980.

(B14)

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The salary ranges for these positions include £751 Inner London Weighting and the benefits are those normally associated with a large progressive organisation. These posts are open to men and women.

For further information please telephone Alan Southgate on 01-831 6272 ext 415 or write with full details of age, qualifications and experience quoting the above references, to the Senior Personnel Officer, (Hinckley) British Gas, 59 Brynston Street, London W1A 2AZ.

The closing date for applications 28 April 1980.

BRITISH GAS



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Director: Professor G. Black

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SYSTEMS GROUP

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Salary scale: £4042 to £8798 p.a. or £5052 to £10484 p.a. depending on age and experience.
Ref. 72/80/CW.

PROGRAMMER /

Salary scale: £4042 to £8798 p.a. depending on age and experience.
Ref. 73/80/CW.

Develop and support NEW networking systems. Real time systems or data communications experience required.

OPERATING SYSTEMS PROGRAMMER / SENIOR PROGRAMMER

Salary scale: £5052 to £10484 p.a. depending on age and experience.
Ref. 74/80/CW.

PROGRAMMER

Salary scale: £4042 to £6390 p.o. depending on age and experience.
Ref. 75/80/CW.

Develop and support operating systems for future NEW mainframes. Systems programming experience required.

Benefits include, a good pension scheme and generous holiday entitlement.

If you would enjoy the challenge of working in a stimulating environment with the prospect of a rewarding career, send for further information and an application form (returnable by 22nd May, 1980) to The Registrar, University of Manchester, Oxford Road, Manchester M13 9PL, quoting the appropriate reference.

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P. T. Marodeta, a representative for Wang Computers and Word Processing Systems has over one hundred clients throughout Indonesia, and because of the extremely rapid growth during 1979 (sales plus systems) we require on

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To train and support local engineers in board repair and maintenance of CPUS and peripherals.

Therefore if you have plenty of experience in the above areas and you would like to expand on it, we would like to hear from you. In return we can offer you a salary around 20,000 U.S. dollars per annum, car, house, return air fares to the U.S. for you and your family plus plenty of work.

So send your comprehensive C.V., recent photograph and phone no. To: "SUPPORT ENGINEER INC." c/o 18/30 Clerkenwell Road, London EC1M 5NN.

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Applicants should be experienced programmers with a background of writing COBOL and/or FILE-TAB programs. Practical experience of ICL 2903/4 software and programming of on-line applications would be an advantage.

Telephone: 01-738 8843, direct line for further information and apply in writing to the Register, University of Bedford, Bedford MK4 4ET, giving details of your education, age, experience and experience by 8 May, 1980, quoting reference number: A/667/CW.

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If you're the sort of person who could give us a fresh insight into our business requirements, you'll certainly realise the importance of this job in the overall pattern of your career.

If you're seriously interested, phone Mark Parker on 01-580 2030. Or write to him or to Colgate-Palmolive Limited, 78 Oxford Street, London W1.

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Telephone: 01-481 3881.
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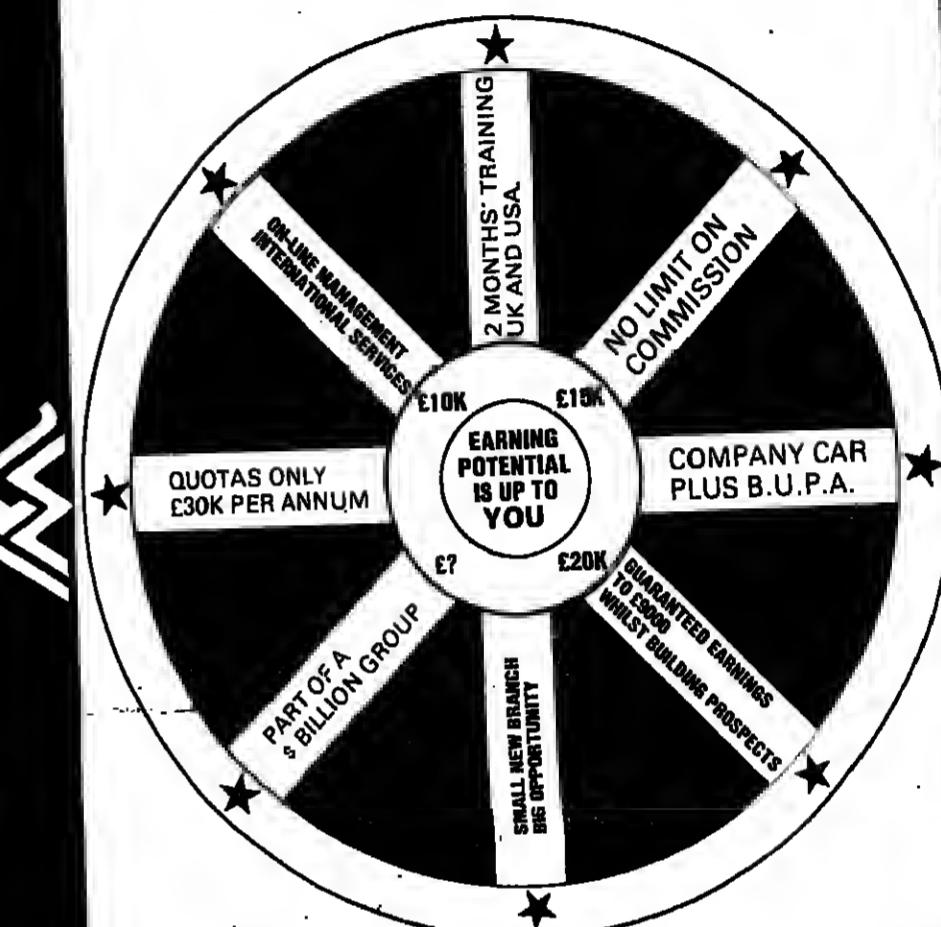
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This large commercial company requires operators with 1 yr. + IBM 370 OS/VS and POWER/VS experience. This is a two-shift system only — no nights. Benefits include generous holiday, CPS, 4 weeks' annual leave and relocation expenses for the right person. If you fit the bill, give us a call. CW16/5 (B27)

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A Lecturer is required to teach Computer Studies to students in further education. A degree or equivalent professional qualification is required with a minimum of one year's experience in the relevant industry. Experience of COBOL and/or teaching is essential. This is an opportunity to join a new and expanding section. Closing date for applications is Friday, 2nd May, 1980.

The salary for the above post will be accordance with the current Curriculum for Education Award.

Further details, please contact: Mrs. Linda Lewis, Tel: 01-684 8144.

which includes the relevant qualifications and the point of entry to independent further education.

Further details and application form may be obtained from Mrs. Linda Lewis, Tel: 01-684 8144.

For further details, application form should be returned.

BUSINESS SYSTEMS ANALYST

Salary Negotiable from £7,800 p.a. upwards.

Required for O.M. & M. Section of a multi-disciplinary Management Services Unit of a large Public Sector Organisation.

Applicants should be graduates and/or have a full professional qualification together with three years in O.M./Business Systems including a record of achievement in one or more of the following:

• Cash reduction exercises.

• Management Information systems.

• Use of computer packages.

• Organisation analysis.

• Assessment of staff numbers.

Other related experience (for example work study, computer management/administration) desirable. Preferably not less than 3 years experience.

Write to Mrs. Linda Lewis, Tel: 01-684 8144.

For further details, application form should be returned.

For further details, application form should be returned.

PROGRAMMER ANALYST

North Sea Oil Aberdeen

Since Occidental brought its two North Sea Oil Fields, Piper and Claymore on stream in record time and established an enviable reputation as one of the leading operators in the North Sea, our highly skilled Data Processing team have continued to play a significant role, through the provision of both business and technical processing services. The continued expansion and development of the company is reflected in the D.P. function where we now intend to recruit an additional Programmer/Analyst.

As an integral part of a small team, the primary duties will be to initiate and implement programme systems in liaison with the appropriate user departments, develop test data and operating instructions, document programmes in modular fashion and, assist in systems analysis and design when required. The person we appoint will have at least four years' experience in business systems programming including financial and/or material management systems in a commercial environment. Experience with I.B.M. 370/158 or larger processor, J.C.L. and COBOL is essential.

The rewards package is excellent and includes a competitive salary, free life assurance, contributory pension scheme and assistance with relocation expenses where appropriate. In addition, you will find a stimulating working atmosphere where initiative, flexibility and enthusiasm are actively encouraged.

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A.B. EXECUTIVE. TEL. 01-549 6441

MID-GLAMORGAN COUNTY COUNCIL
COUNTY TREASURER'S DEPARTMENT

SYSTEMS ANALYST

£6,636-£7,077 per annum

SENIOR PROGRAMMER

£5,973-7,077 per annum

The Authority has taken delivery of an ICL 2872 Computer and the above staff are required to join project teams actively working on the transfer of systems to this machine. Applicants for the Systems Analyst vacancy should preferably have a minimum of one year's systems analysis experience. Commencing salary is dependent on qualifications and experience, and progression beyond £7,077 will be subject to experience and competence to perform work at a higher level.

Applicants for the Senior Programmer vacancy should have a minimum of two years' COBOL experience in a GEORGE 3 or VME/B environment. Commencing salary is dependent on qualifications and experience.

Benefits of working with the Authority include:

- * Located in centre of Cardiff with easy access to shops and parks.
- * Flexible working hours.
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- * National Conditions of Service.

Application form to be returned by 8th May, 1980 and further particulars are obtainable from the County Treasurer, Mid-Glamorgan County Council, County Hall, CARDIFF.

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SYSTEMS PROGRAMMER

For Univac 1100

Hinckley Up to £8,075

We require a Systems Programmer to join a small team providing software support for our UNIVAC 1100 system. The hardware consists of a UNIVAC 1106, together with a recently installed 1100/II.

The system is used in connection with control of the Natural Gas Transmission System and also provides some bureau services to British Gas Headquarters, primarily for engineering and planning applications.

The post, based in Hinckley, Leicestershire, involves the maintenance and development of the UNIVAC 1100 Operating System and other standard UNIVAC and in-house software, and support to the Operations Section and to computer users.

Applicants should ideally have two years' experience as a Systems Programmer using a low-level language, preferably on UNIVAC 1100 systems, though applications programmers or systems programmers on other computer ranges wishing to widen their experience would also be considered.

Salary is within the range £6,428 - £8,075. The benefits normally associated with a large progressive organisation will also be provided.

Hinckley is in a low cost housing area with easy reach of pleasant countryside, and by convenient motorway access to the large city amenities of Leicester, Coventry and Birmingham. Relocation expenses will be paid where appropriate.

Please write giving full details of age, experience, qualifications and current salary, quoting reference PS61680(705) to the Senior Personnel Officer, Hinckley, British Gas, 59 Bryanston Street, London W1A 2AZ.

BRITISH GAS

If you can write about computers you'll be right for this job

SHEFFIELD CITY POLYTECHNIC
DEPARTMENT OF COMPUTER SERVICES

SENIOR APPLICATIONS PROGRAMMER

Post No. 260

SENIOR SYSTEMS PROGRAMMER

Post No. 268

AP5 £5,220-£5,547

Well-qualified, experienced people are required to work on a 512K IBM 370/148 Computer running an extensive time sharing system and OS/VSI. The work is varied and challenging. Areas covered include Graphics, mini/micro computers, communications, and Computer Assisted Instruction.

Application forms from the Personnel Officer (Dept. CWI), Sheffield City Polytechnic, Halfords House, Pinstone Square, Sheffield S1 2BS, or by phoning 20811 ext. 291. Closing date should be returned by 2nd May.

1528

At GEC Computers, we spend a lot of time, effort and care in writing operating and maintenance documentation. For two good reasons — one, our processors and peripherals are based on some of the most advanced technology in existence. Two, because a lot of our equipment is for military applications, where there is no room for clumsy sentences and ambiguous phrases. Put those two facts together and you've got the makings of an unusually interesting career opportunity.

Especially at a time when the military side of our work is taking off like never before.

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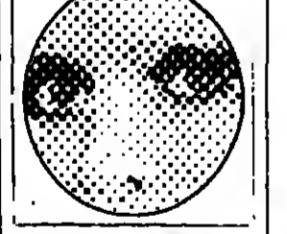
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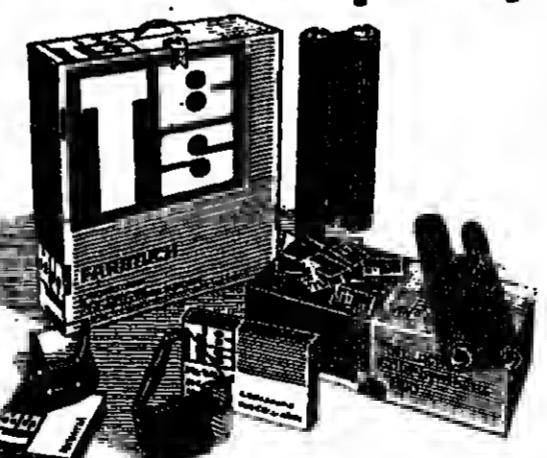
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